

Series 2000 BLACK-TOPPER®



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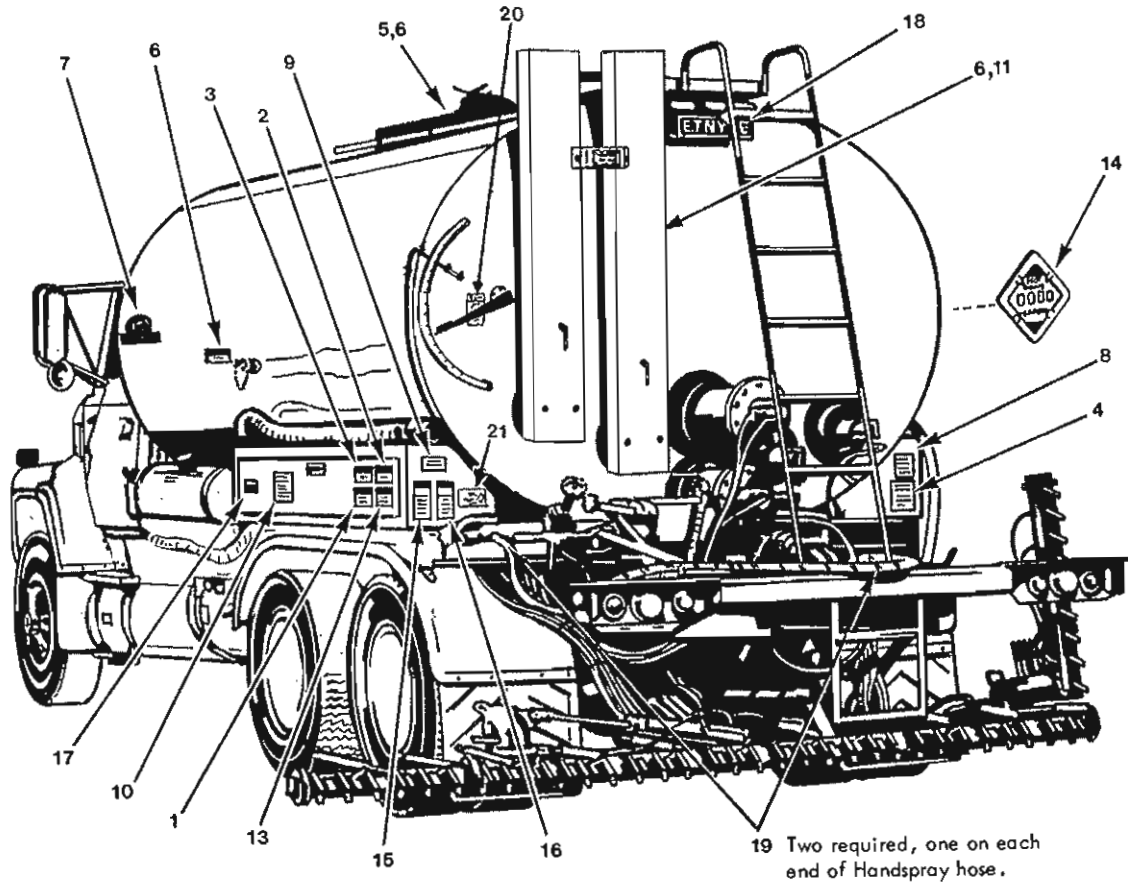
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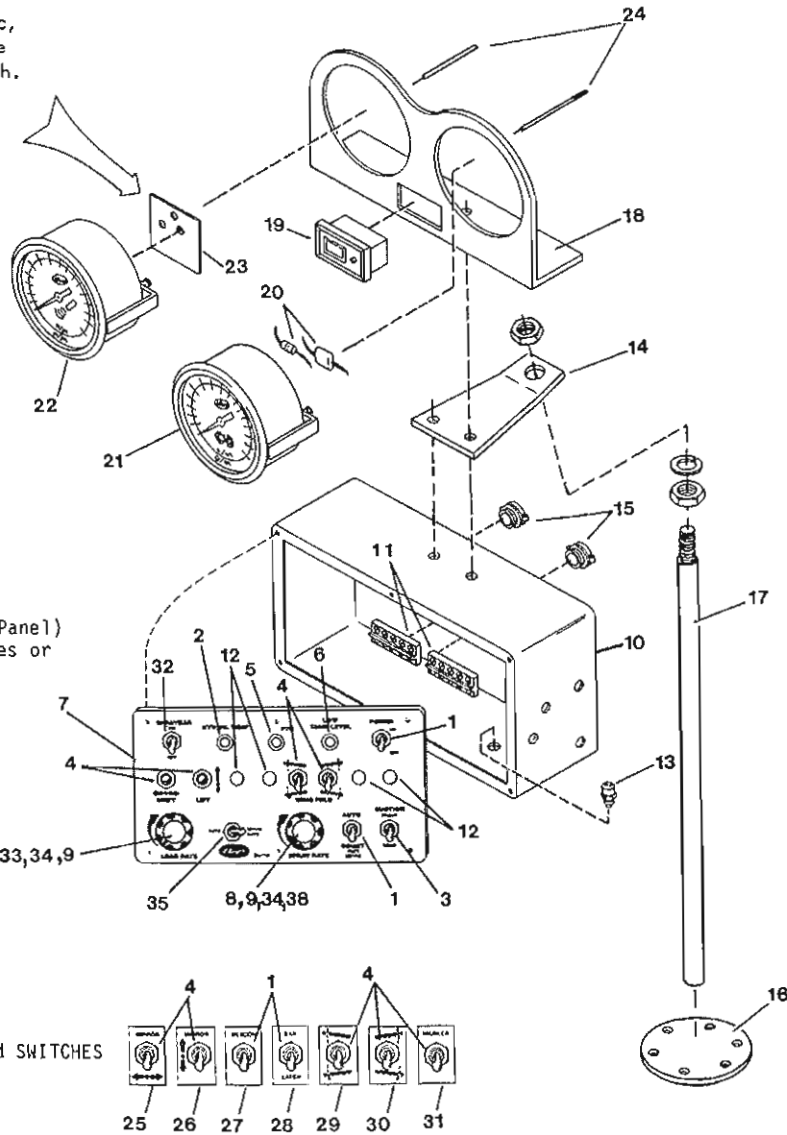
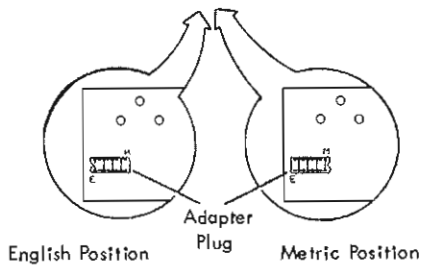


- ⚠ Far operator safety and possible liability protection, all Safety and Instruction Plates should remain in place and be legible.
- ⚠ Should a plate be removed, lost, or become illegible, reorder and replace immediately.
- ⚠ If plates become difficult to read because of material coating the surface, clean with solvent.

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3561029	1	Plate-Caution, Shields In Place	13	3390620	2	Plate-Warning, Manuals
2	3561028	1	Plate-Caution, Remain Clear	14	6320272	AR	Placard System (Optional)
3	3561027	2	Plate-Caution, Before Starting	15	3390636	1	Plate-Warning, Flues Covered
4	3390537	1	Plate-Warning, Burner, General	16	3390637	1	Plate-Warning, Asphalt Grades
5	3390535	2	Plate-Warning, Manhole	17	3360414	1	Plate-Name, Distributor S/N, Brass
6	3561030	3	Plate-Caution, Hot Surface	18	3390149	1	Plate-Name, Etyre
7	3390654	2	Decal-BlackTopper Series 2000	19	3390591	2	Tag-Caution, Handspray Hose
8	3390540	*	Plate-Directions, LPG Burner	20	3390659	1	Decal-Warning GVWR
	3390670	*	Plate-Directions, Electric Beckett Burners	21	3390669	1	Decal-Handspray Operation
9	3390534	1	Plate-Warning, Fill Cap				AR = As Required
10	3390533	1	Plate-Warning, Safety, General				* Use Appropriate Plate For Specific Burner Type
11	3390562	1	Bracket-Mtg, Caution Plate, Hot Surf				
12	6100139	AR	Rivet-Pop, 0.12, Not Shown				

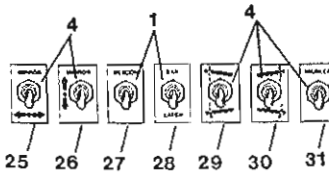
CONTROL PANEL and STAND
Basic Panel with Gang On-Off Spraybar Controls

To change from English to metric, flip over the adaptor plug on the circuit board on a back of the tach. Position plug as shown.



* NOTE: Ref 7 (3361101 Panel) Does not include switches or Lights.

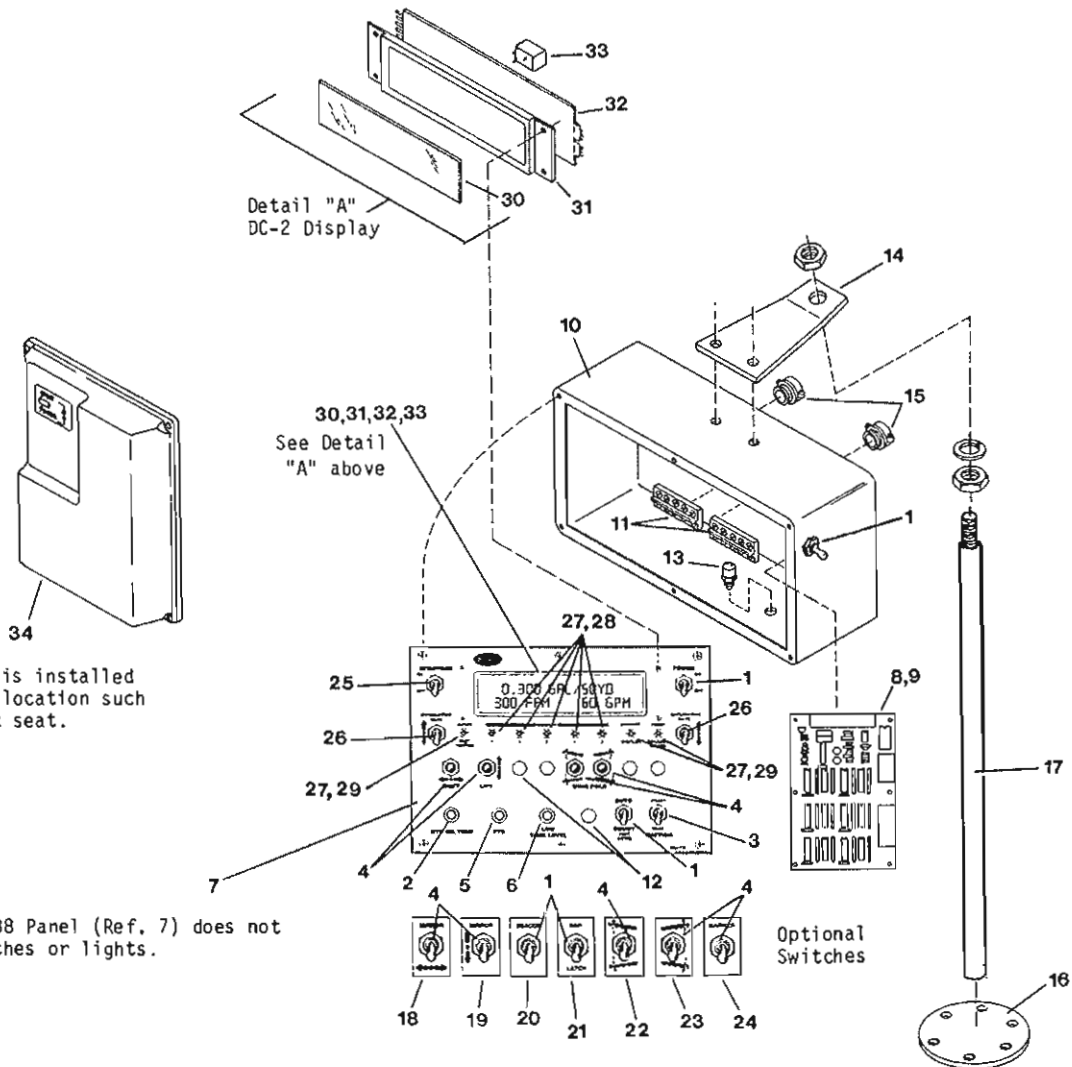
OPTIONAL PANEL TAGS and SWITCHES



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6700255	3	Switch-Toggle, 20 Amp, Single Pole	20	3370235	1	Capacitor/Resistor Asm
2	6702075	1	Light Fixture-Red, 12V	21	6702135	1	Pump Tachometer-Elec, Analog
3	3160005	AR	Switch-Toggle, On/Off	22	6702186	1	Tachometer, Radar, Analog, 0-1500
4	6701897	AR	Switch-Toggle, DPDT, 3 Pos., Mom.	23	6702187	1	Circuit Board-Radar Ft Counter
5	6702077	AR	Light Fixture-Green	24	6701048	AR	Cable-Shielded, 22-3, Stranded
6	6702076	1	Light Fixture-Amber	25	3361106	AR	Tag-Switch, Mirror Lt/Rt
7	3361101	1	Front Panel (does not include switches or lights)	26	3361107	AR	Tag-Switch, Mirror Up/On
8	6701972	1	Pot-1K, 10 Turn, Panel Mt	27	3361108	AR	Tag-Switch, Beacon
9	6701907	2	Knob-Control	28	3361109	AR	Tag-Switch, Bar Latch
10	3370220	1	Enclosure-Control Box, Basic	29	3361110	AR	Tag-Switch, Lt Wing Fold
11	6700306	2	Terminal Strip-10 Bar	30	3361111	AR	Tag-Switch, Rt Wing Fold
12	0142017	AR	Plug-Button, 0.50 (used when optional switches are not present)	31	3361112	AR	Tag-Switch, Marker
13	6702094	1	Circuit Breaker-15 Amp	32	6701976	1	Switch-Toggle, 30PT, 2 Pos.
14	3361038	1	Bracket-Mounting, Box	33	6701911	1	Pot-1K, Single, Linear 2.25 W
15	6700015	2	Connector-Romex	34	3361162	2	Disk-Foam, 1.25 Dia, 0.25 Thick
16	3361221	1	Disc-Mtg.	35	3160005	1	Switch-2-SPD Axle
17	3361224	1	Pipe Asm	36	6702033	2	Resistor-100 OHM, 1/2 W, 5 Per
18	3361029	1	Bracket-Tach, Pump/Odometer				
19	6702140	1	Counter-Dig. Elec. LCD, 6 Digit				

AR = As Required

CONTROL PANEL and STAND - BASIC GANG ON-OFF SPRAYBAR
WITH DC-2 COMPUTERIZED APPLICATION RATE CONTROL



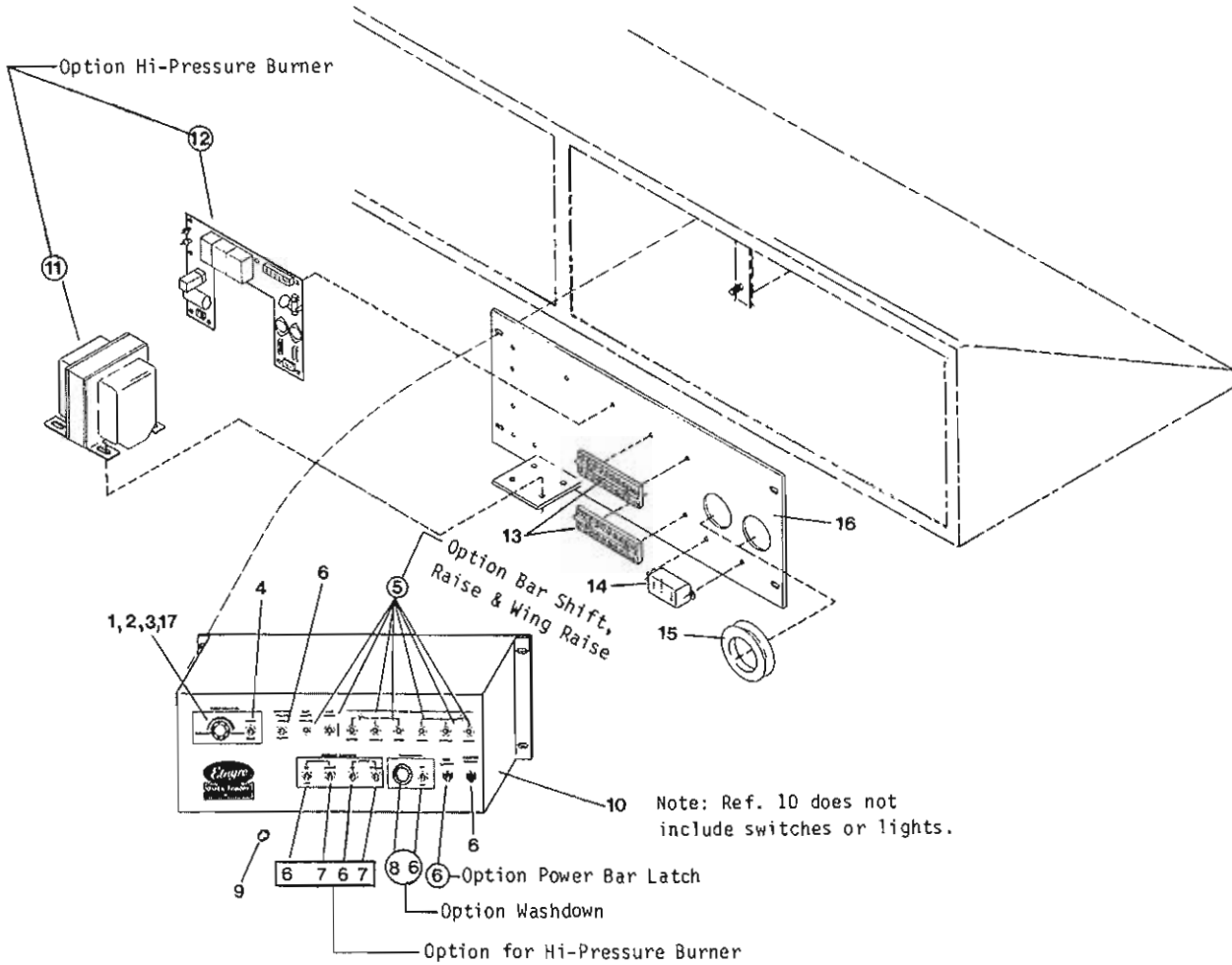
Note: Computer is installed in some remote location such as behind truck seat.

*NOTE: 3361138 Panel (Ref. 7) does not include switches or lights.

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6700255	3	Switch-Toggle, 20 Amp, Single Pole	18	3361106	AR	Tag-Switch, Mirror, Lt/Rt
2	6702075	1	Light Fixture-Red, 12V	19	3361107	AR	Tag-Switch, Mirror, Up/Dn
3	3160005	AR	Switch-On/Off SPDT	20	3361108	AR	Tag-Switch, Beacon
4	6701897	AR	Switch-Toggle, DPDT, 3 Pos, Mom.	21	3361109	AR	Tag-Switch, Bar Latch
5	6702077	AR	Light Fixture-Green	22	3361110	AR	Tag-Switch, Lt Wing Fold
6	6702076	1	Light Fixture-Amber	23	3361111	AR	Tag-Switch, Rt Wing Fold
7	3361138	1	Front Panel (Does not include Lights or switches)	24	3361112	AR	Tag-Switch, Marker
8	6702192	1	Interface Board-App. Rate Control	25	6701976	1	Switch-Toggle, DPST, 2 Pos
9	6701980	4	Spacer-Circuit Board	26	6700161	2	Switch-Toggle, SPDT
10	3370248	1	Enclosure-Control Box, Basic DC-2	27	6702198	8	Switch-Pushbutton, SPDT, On-Mom
11	6702072	2	Terminal Strip	28	6702197	5	Cap-Pushbutton, White
12	0142017	AR	Plug-Button, 0.50 (Used when switches are not present)	29	6702196	3	Cap-Pushbutton, Red
13	6702094	1	Circuit Breaker-15 Amp	30	3361148	1	Window
14	3361038	1	Bracket-Mounting, Box	31	6702193	1	Display-LCD, DC-2
15	6700015	2	Connector-Romex	32	6702194	1	DC-2 Driver Board
16	3361221	1	Disc-Mtg.	33	6702195	1	Inverter-EL Light Power
17	3361224	1	Pipe Asm	34	6702191	1	Controller-Application Rate

AR=As Required

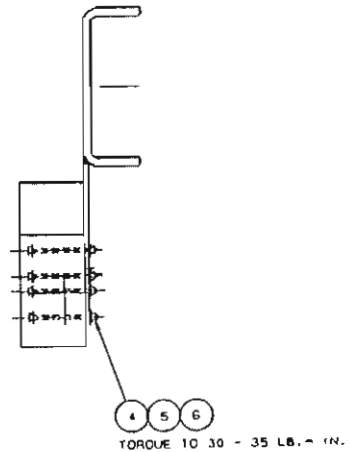
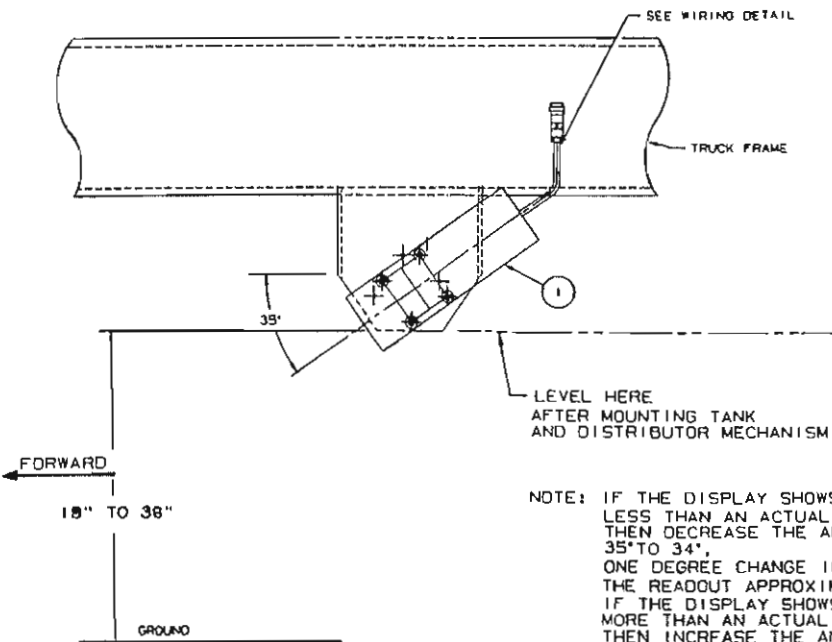
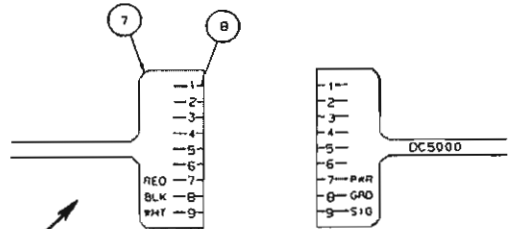
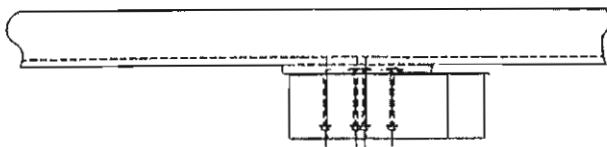
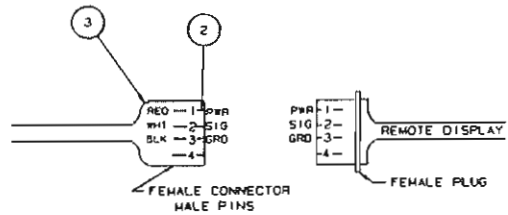
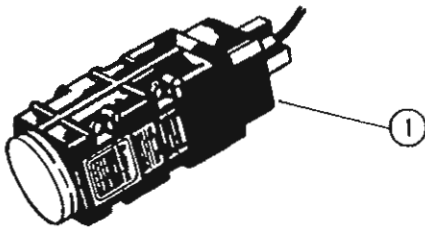
REAR CONTROL PANEL



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6701907	1	Knob-Control				
2	6701911	1	Pot-1K, Single, Linear 2.25 W				
3	6702033	1	Resistor-100 OHM 1/2 W 5 Per				
4	6701976	1	Switch-Toggle, 3 POT, 2 Pos (Used W/OC 2)				
	3160005	1	Switch-Toggle, SPDT, Maint. (Used WO/DC 2)				
5	6701897	AR	Switch-Toggle, DPOT, 3 Pos				
6	6700255	AR	Switch-Toggle, SPST, 2 Pos, Maint.				
7	6701966	2	Switch-Toggle, DPOT, On/Mom/On				
8	6700875	1	Warning Device-Audio-Visual				
9	0142017	AR	Plug-Button				
10	3361183	1	Rear Control Box				
11	6701965	1	Transformer-12V/115V				
12	3370164	1	Circuit Board-Burner Igniter (Fuel Oil Burners)				
13	6700306	2	Strip-Terminal, 10 Bar				
14	6702000	1	Relay-3PDT, 10A, 6VDC, Coil				
15	6700878	2	Grommet-Rubber, 1.5ID x .375 x 2.0D				
16	3361026	1	Plate Asm Mount				
17	3361162	1	Disk-Foam, 1.25 Dia., 0.25 Thick				

AR - AS REQUIRED

RADAR SPEED SENSOR INSTALLATION
SN/M4256 & Above



NOTE: IF THE DISPLAY SHOWS FEET TRAVELED LESS THAN AN ACTUAL MEASURED COURSE THEN DECREASE THE ANGLE, CHANGE FROM 35° TO 34°. ONE DEGREE CHANGE IN ANGLE CHANGES THE READOUT APPROXIMATELY ONE PERCENT. IF THE DISPLAY SHOWS FEET TRAVELED MORE THAN AN ACTUAL MEASURED COURSE THEN INCREASE THE ANGLE, CHANGE FROM 35° TO 36°. ONE DEGREE CHANGE IN ANGLE CHANGES THE READOUT APPROXIMATELY ONE PERCENT.

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3370212	1	Radar Head-Speed Sens, W/O Plug				
2	6701947	4	Socket-Pin, 18-16 Ga.				
3	6702043	1	Plug-4 Pin Std				
4	0432903	4	Screw-Hex, 0.25NC x 4.00, GR2,PD				
5	9414920	8	Washer-Flat, 0.258,PD				
6	0120380	4	Washer-Lock, 0.25 Spring,PD				
7	3370203	Ref	Hood Black 9 Pin Sub D				
8	3370204	Ref	Pin Crimp Snap in D Sub				

CIRCULATING SYSTEM

WARNING

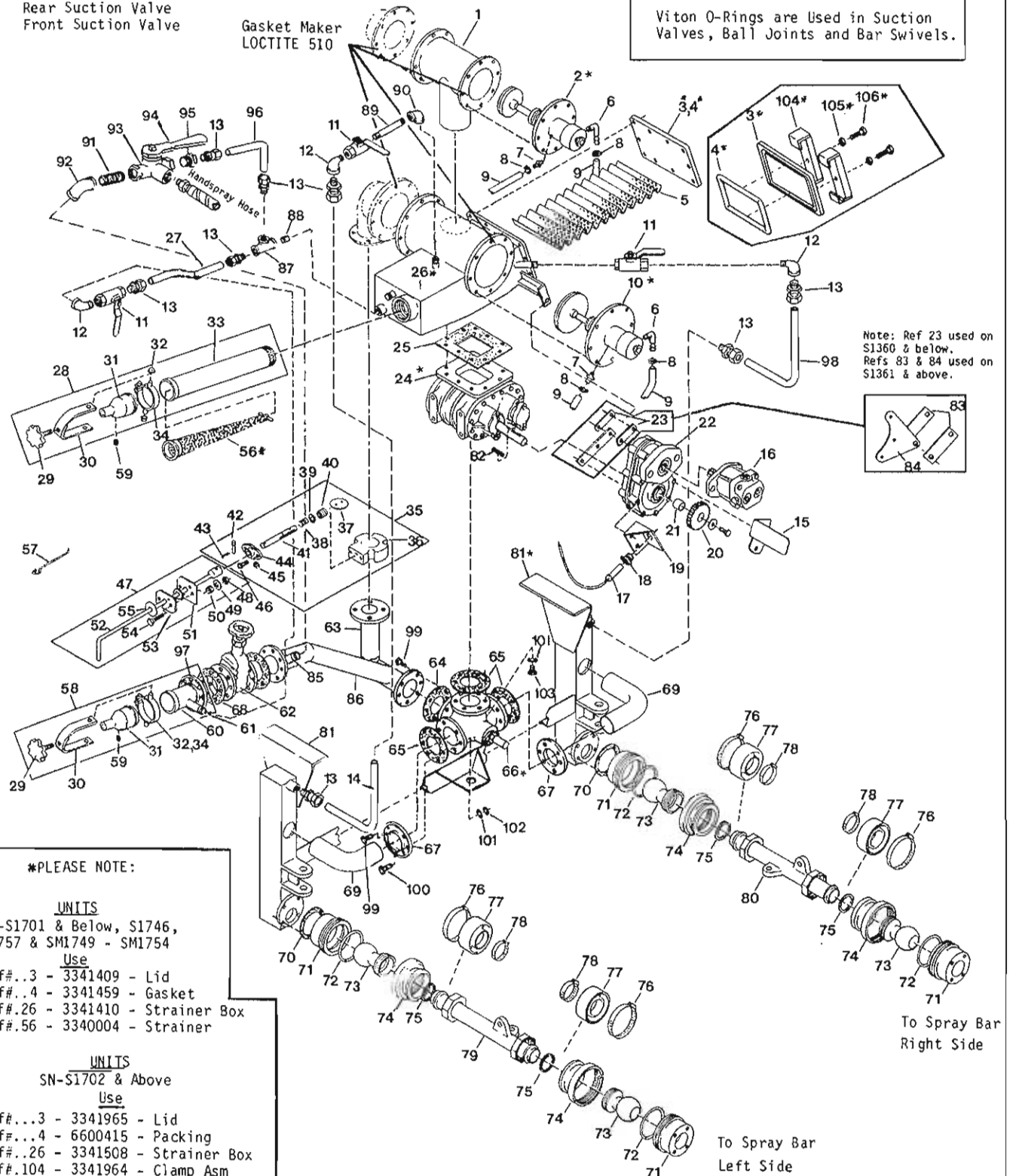
Do Not Handle Viton O-Ring if they have been Burned!

Viton O-Rings are Used in Suction Valves, Ball Joints and Bar Swivels.

*NOTE: See Parts Breakdowns on separate pages for:
 4 Way Valve
 Asphalt Pump
 Rear Suction Valve
 Front Suction Valve

(Optional Equipment)

Gasket Maker
 LOCTITE 510



*PLEASE NOTE:

UNITS

SN-S1701 & Below, S1746,
 S1757 & SM1749 - SM1754

Use

- Ref#..3 - 3341409 - Lid
- Ref#..4 - 3341459 - Gasket
- Ref#..26 - 3341410 - Strainer Box
- Ref#..56 - 3340004 - Strainer

UNITS

SN-S1702 & Above

Use

- Ref#...3 - 3341965 - Lid
- Ref#...4 - 6600415 - Packing
- Ref#..26 - 3341508 - Strainer Box
- Ref#..104 - 3341964 - Clamp Asm
- Ref#..105 - 9411727 - Locknut
- Ref#..106 - 0180175 - Screw Hex
- Ref#..56 - 3340004 - No Longer Used

To Spray Bar
 Right Side

To Spray Bar
 Left Side

CIRCULATING SYSTEM

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3301209	1	Can Asm-4" Front Suction Valve	63	7000262	1	Piping Asm-Butterfly Valve
2*	3341421	1	4" Front Suction Valve Mechanism	64	3340519	1	Gasket-4 Way Vlv/Rtn Line
3*	3341409	1	Lid (See Note)	65	3340515	3	Gasket-Flange, 4 Way Valve
	3341965	1	Lid (See Note)	66*	3341441	1	4 Way Valve Asm
4*	3341459	1	Gasket (See Note)	67	3352601	2	Flange-Feed Tube
	6600415	AR	Packing, 0.25 Sq. (See Note)	68	6000071	2	Gasket-Flange
5	3341442	1	Strainer	69	3301204	2	Elbow-Feed Tube
6	6602399	AR	Hose Barb-04 x 02MP 90 Deg, LP	70	3352614	2	Gasket-Ball Nut
7	6601795	AR	Hose End-04 x 02MP,ST,LP	71	3352610	4	Ball Case
8	6001005	AR	Clamp-Hose, Screw Type	72	6602249	4	O-Ring
9	6601452	AR	Hose-Air Sol	73	3361199	4	Ball
10*	3341412	1	Rear Suction Valve Mechanism	74	3352611	4	Ball Nut
11	6602237	3	Valve-Ball, 0.75, Bronze	75	6602235	4	Gasket-2.75 x 3.13 x 3/32, Brass
12	0144113	3	Elbow-Pipe, ST, 0.75 NPT	76	6000872	4	Clamp-Hose
13	6600852	6	Compression Fitting, 0.75	77	3352742	4	Boot-Ball Joint Cover
14	3341503	1	Tube-Suckback, LH	78	6000088	4	Clamp-Hose, 2.50-3.50
15	3361165	1	Stop-Air Valve Cylinder	79	3352662	1	Feed Tube Asm-Left
16	6602163	1	Motor-2.1 Culn, Fixed Spline	80	3352663	1	Feed Tube Asm-Right
17	6701838	1	Sensor-Proximity, Pick-Up, 12 VDC	81*	3341501	1	Drop Tube & Hanger PLT Asm 38"
18	6701510	1	Connector-Romex, 0.75		3341466	1	Drop Tube & Hanger PLT Asm 40"
19	3360820	1	Bracket-Sensor Mtg, Pump Tach		3341467	1	Drop Tube & Hanger PLT Asm 42"
20	6440201	1	Gear-Spur, 80T, 20DP, 4.10, .375W		3341468	1	Drop Tube & Hanger PLT Asm 44"
21	3360803	1	Bushing-Gear, Pump Tach	82	3341341	1	Key-0.31 x 0.31 x 4.00
22	6415121	1	Gear Reducer-3.1, 15T Spline	83	3341405	2	Link-Gearbox Torque Arm
	6415224	1	Gear Reducer-6.1, 15T Spline	84	3341402	1	Brk-Gearbox Torque Arm
	7230237	1	Seal Kit	85	3560788	1	Nipple-Half, Sch 40, 1.00 x 2.75
	7230236	1	Adapter-15T	86	7000263	1	Line Asm-Return(S1212 & Below)
	7230205	1	Bushing-Output		7000265	1	Line Asm-Return(S1213 & Above)
23	3352676	2	Tie Bar-Gear Box Torque Arm	87	0125988	1	Tee-Pipe, 0.75NPT,PN
24*	3341469	1	Pump Asm-400 GPM, P-15,W/Snap Ring	88	0144613	1	Nipple-PP, Sch 40, 0.75 x 1.38CL,PN
25	3352222	1	Gasket-Pump/Strainer Box	89	0219341	1	Nipple-PP, Sch 40, 0.75 x 3.50,PN
26*	3341410	1	Strainer Box (See Note)	90	0119099	1	Elbow-Pipe, 90, 0.75NPT,PN
	3341508	1	Strainer Box (See Note)	91	0127874	2	Nipple-Sch 40, 1.00 x 1.50CL,PN
27	3341476	1	S-Tube Suckback	92	0119100	2	Elbow-Pipe, 90, 1.00NPT,PN
28	3301200	1	Fill Line Asm	93	6602404	1	Valve-Plug, 1.00, 3-Way, 2 Port
29	3340033	1	Clamp Asm-Screw	94	3380695	1	Handle-Valve, Handspray, OFFSET
30	3340041	1	Clamp-Asm-3" Hose Conn.	95	0128003	1	Bushing-Pipe, 1.00 x 0.75NPT,PN
31	3380388	2	Cap Asm-Fill Line	96	3341475	1	Tube-Suck Back
32	6001056	2	Cap-Retainer, 0.5 Dia Stud	97	6000068	1	Flange
33	3301199	1	Tank Car Pipe Asm	98	3341502	1	Tube-Suckback, RH
34	3341078	1	Ring Asm	99	0180124	12	Screw-Hex, 0.38NC x 1.25Lg. GR5
	9413946	1	Nut-Hex, Lock, 0.25 NC	100	0180126	6	Screw-Hex, 0.38NC x 1.50Lg. GR5
	0121913	1	Screw-Hex, 0.25 NC x 1.25, GR2	101	0120382	24	Washer Lock, 0.38 Spring
35	3301208	1	Valve Asm-Butterfly	102	0120377	18	Nut-Hex, 0.38NC GR2
36	3301207	1	Body-Butterfly Valve	103	0180121	6	Screw-Hex, 0.38NC x 0.88Lg. GR5
37	3340025	1	Disc-Butterfly	104*	3341964	2	Clamp Bar Asm
38	3340045	1	Spring-Compression	105*	9411727	2	Nut-Hex, Lock, 0.50NC,EA,PO
39	3341364	1	Washer-Flat, 0.78 x 1.00	106*	0180175	2	Screw Hex, 0.50NC x 1.25,GR5,PD
40	3340023	4	Packing-Dual Valve, 2 1/2"				
41	3340024	1	Stem-Butterfly				
42	6000410	1	Pin-SAE M.T. #4 x 2Lg., Drilled				
43	0103362	1	Pin-Cotter, 1/16 x 3/4				
44	3340022	1	Cap-Gland, Dual Valve, 2 1/2"				
45	0120214	2	Washer-Lock, 0.31, Spring,PD				
46	0122007	2	Screw-Hex, 0.31NC x 0.75,GR 2,PO				
47	7230256	1	Extension Asm-Butterfly Vlv				
48	9416509	2	Nut-Hex, Lock, 0.25, GR8,PN				
49	0120386	2	Washer-Flat, 0.25A(0.31 x 0.73)PO				
50	6000496	2	Spr-Release				
51	3341397	1	Brkt-Supt Butterfly Vlv Lever				
52	3380606	1	Ext Asm-Butterfly Vlv, Bid				
53	3341961	1	Brkt Supt Butterfly Vlv.Lever				
54	0121926	2	Screw-Hex, 0.25NC x 1.50, GR2,PO				
55	3390651	1	Decal-Butterfly Valve				
56*	3340004	1	Strainer-Fill Line (See Note)				
57	3390030	1	Hook-Intake Strainer				
58	3341482	1	Pipe Asm-Pump Off & Handspray				
59	0219190	2	Plug-Pipe, SqHd, 0.25,PO				
60	3341481	1	Pipe Asm-Fill Line				
61	3301195	1	Nipple-Lower Pipe Asm				
62	6600045	1	Gate Valve				
	7420250	1	Follower				
	7420251	1	Packing-Set, 3 Rings				
	7420252	1	Washer				

****SPRAYBAR CARRY TUBE SELECTION (Ref. 81)**

Because of the difference in truck frame heights, four (4) Spraybar Carry Tubes (Ref. 81) are available. The proper length Carry Tube must be selected in order to provide the proper spraybar carry mechanism geometry and sufficient ground clearance.

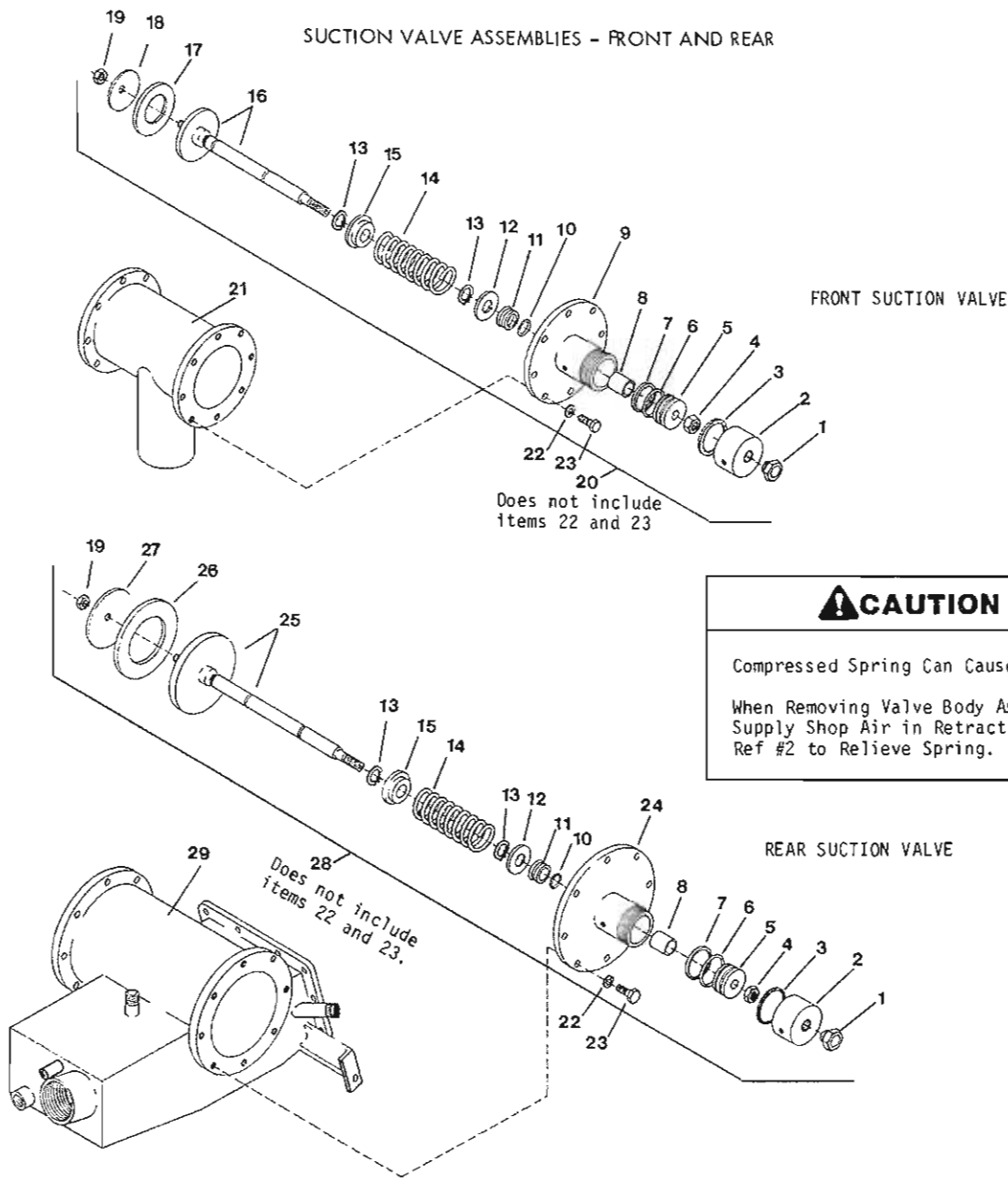
Select the proper Bar Carry Tube (Ref. 81) according to the following chart:

Frame Height***	Part No.	Tube Length
Up to & including 42 w/empty tank	3341501	26 1/2"
42 1/4 - 44	3341466	28 5/8"
44 1/4 - 46	3341467	30 5/8"
46 1/4+	3341468	32 5/8"

***Frame Height, bar chassis, measured 27" behind rear axle center.

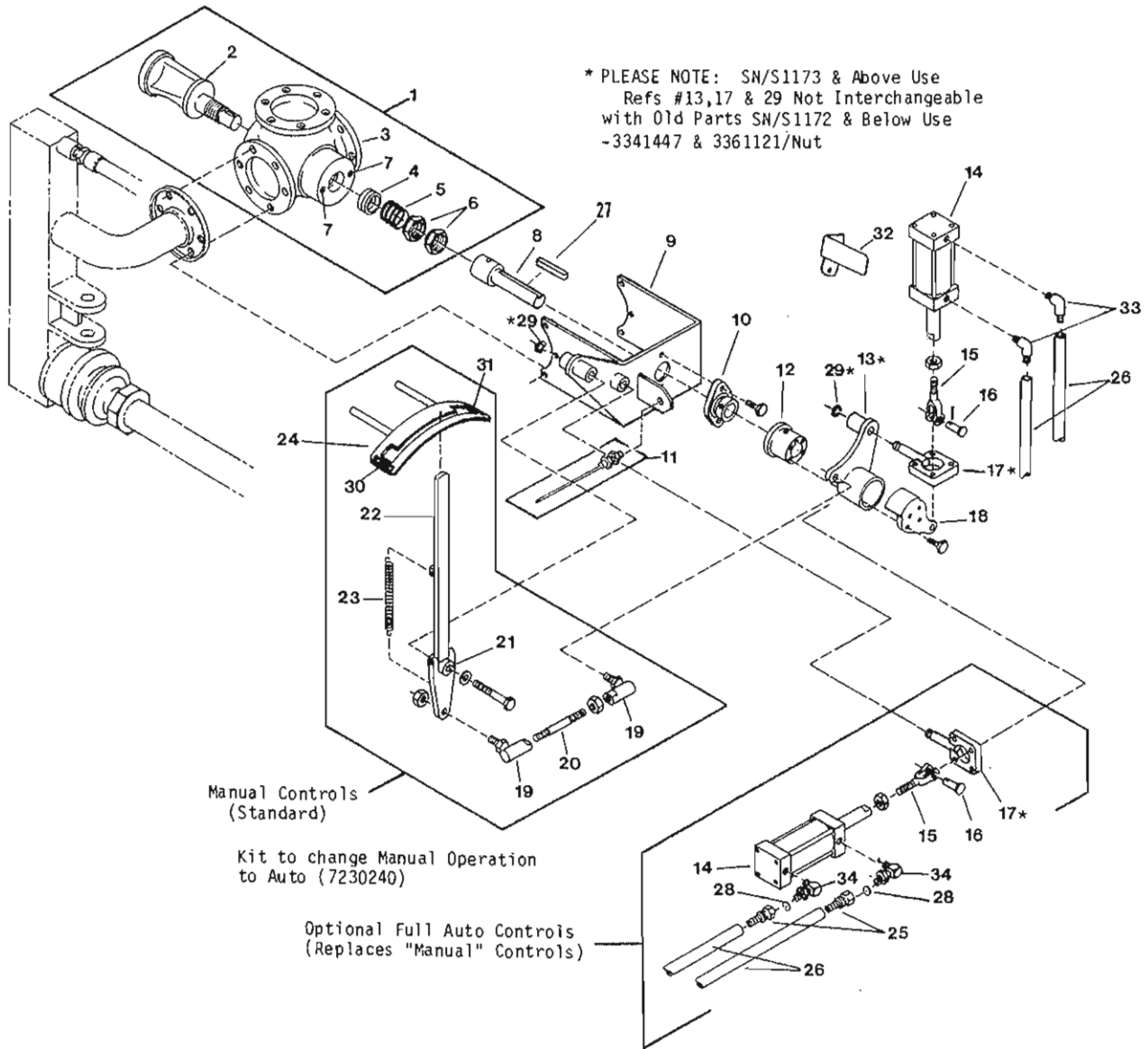
AR - AS REQUIRED

SUCTION VALVE ASSEMBLIES - FRONT AND REAR



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6602229	1	Sight Plug-0.75NPT	18	2740175	1	Retainer-Gasket
2	3341420	1	Cylinder Cap	19	9413948	1	Nut-Hex, Lock, 0.62NC
3	3341414	1	Gasket-Rear Suction Valve	20	3341421	1	Front Suction Valve-4" (Does not include items 22 and 23)
4	9416894	1	Nut-Hex, Lock, 0.75NC	21	3301209	1	Can Asm-4" Front Suction Valve
5	3341418	1	Piston	22	0120384	8	Washer-Lock, 0.50
6	6602233	1	"O" Ring-2.50X2.1010 X 0.188,Viton	23	0120426	8	Screw-Hex, 0.50NC X 1.25
7	6602232	1	Seal-2.5 Dia Teflon	24	3341416	1	Valve Body Asm-Rear Suction
8	6420121	1	DU Bushing	25	3341455	1	Seat and Shaft Asm-Rear Suction
9	3341424	1	Valve Body Asm- 4" Front Suction	26	2750597	1	Gasket-Seat, 6" Disc Valve
10	6602152	1	"O" Ring-1.25 00 X 0.125	27	2740137	1	Retainer-Gasket, Shaft, 6"
11	6602151	1	Scraper-Nitrile, 1.00 ID X 1.50 00	28	3341412	1	Rear Suction Valve Mechanism (Does not include items 22 and 23)
12	3341419	1	Stop	29	3341410	1	Strainer Box Asm (S1701 & Below)
13	6000322	2	Snap Ring		3341508	1	Strainer Box Asm (S1702 & Above)
14	6602234	1	Spring-#1, 2.400 X 1.78 10, 0.312				
15	3341117	1	Retainer-Spring				
16	3341456	1	Seat and Shaft Asm-Front Suction				
17	2740165	1	Gasket-Seat, 4" Disc Valve				

4 WAY VALVE AND CONTROLS

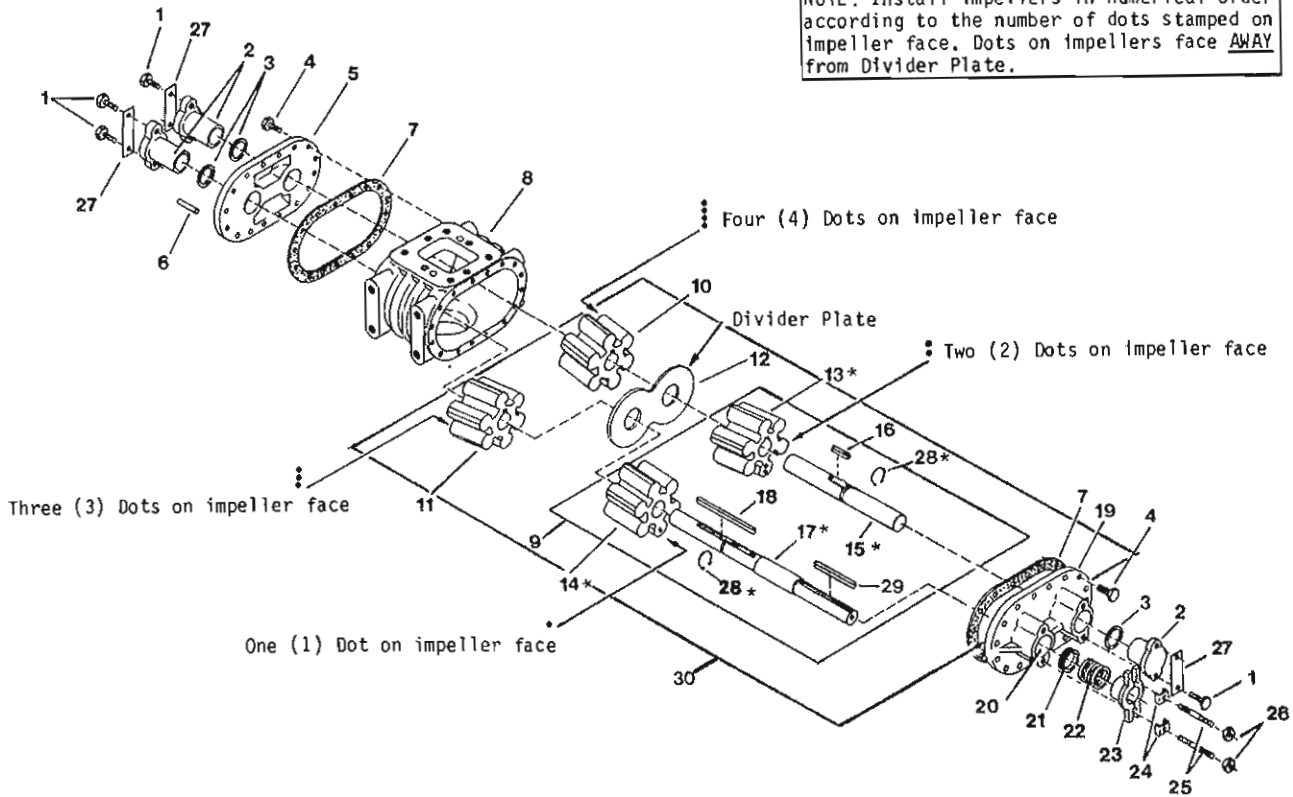


REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3341441	1	4 Way Valve Asm	18	3341449	1	Lever Asm
2	3341138	1	Plug	19	6100126	2	Balljoint, 0.44NC
3	3341440	1	Body	20	3352767	1	Link-Adj.
4	3340029	4	Packing	21	3361078	1	Bushing
5	3351464	1	Spring	22	3361141	1	Shift Asm
6	3341187	2	Stem Nut	23	3360672	1	Spring
7	0125947	2	1/8 Slotted Pipe Plug	24	7230255	1	Oetent Asm
8	3361150	1	Extension Shaft Asm	25	6600306	2	Hose End-06 x 06FSX,ST,LPSB
9	3361134	1	Mtg. Asm	26	6600324	AR	Hose-3/8 Per Ft.
10	6420191	1	Flange Brg.-Ball, 2 Bolt, 1.25	27	3361156	1	Key
11	3370251	1	Switch Asm	28	3361158	2	Orifice-Fitting
12	3341446	1	Hub	29*	6000288	2	Ring-Retainer (S1173 & Above)
13*	3341470	1	Lever Asm (S1173 & Above)	30	3361154	1	Label-Vlv Pos Circ In Tank-Load
	3341447	1	Lever Asm (S1172 & Below)	31	3361153	1	Label-Vlv Pos Circ In Bar
14	6602250	1	Cylinder-3.0 Bore x 4.0 Stroke	32	3361165	1	Stop
	7230238	1	Seal Kit	33	6602398	2	Hose Barb-06 x 06MP, 90, LP
15	6600296	1	Yoke	34	6600085	2	Elbow-Auto, 90, 06MP-06MS
16	6600295	1	Pin-Clevis, 0.43 x 1.19				
17*	3361170	2	Mount Asm (S1173 & Above)				
	3361121	2	Mount Asm (S1172 & Below)				

AR - AS REQUIRED

ASPHALT PUMP ASSEMBLY
3341469

NOTE: Install impellers in numerical order according to the number of dots stamped on impeller face. Dots on impellers face AWAY from Divider Plate.



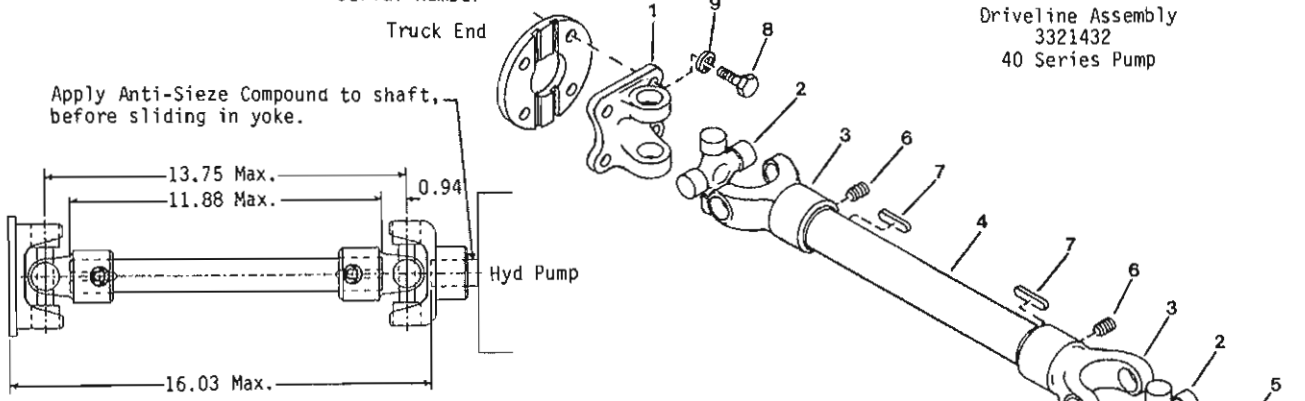
PLEASE NOTE: SN/S1173 & Above, Ref#s 13, 14, 15, 17 and 28 are not interchangeable with old pump when ordered separately. Therefore SN/S1172 & Below must use #s 3340275, 3340272, 3340289 & 3341110. We recommend using Kit #7215221 (Ref# 9) to update older pumps SN/S1172 & Below when replacing shafts or impellers. Kit includes impellers and shafts as shown (Ref# 9).

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6000573	6	Screw-0.56NC x 1.75, Drilled	17*	3341460	1	Pump Shaft, P-15 SAM (S1173 & Above)
2	3340286	3	Bearing-Blind		3341110	1	Pump Shaft (S1172 & Below)
3	6600308	3	Gasket-2.75 x 2.00, Copper/Asb.	18	6000466	1	Key-0.25 x 0.31CR x 6.94, Rd End
4	0120233	40	Screw-Hex, 0.38NC x 1.00	19	3340282	1	Plate-Face, Single Bearing
5	3340281	1	Plate-Face, Double Bearing	20	3340294	1	Sleeve-Wearing
6	0103615	4	Pin-Taper, #5 x 1.25	21	3340305	1	Ring-Lattern
7	3340287	2	Gasket-Face Plate	22	6600310	5	Packing-RG, 1.50I0 x 2.00
8	3341216	1	Case-Pump, P-15	23	3340307	1	Gland-Packing, Split
9	7215221	1	Impeller Set P-15 W/Snap Rings	24	3340308	2	Retainer-Splet Packing Gland
10	3340279	1	Impeller	25	3340949	2	Stud-Packing Gland
11	3340277	1	Impeller	26	9413569	2	Nut-Hex, Lock, 0.58NC
12	3340298	1	Plate-Division	27	3341328	3	Plate-Bolt, Lock, Pump Gland
13*	3341462	1	Impeller-Herringbone (S1173 & Above)	28*	6001169	2	Snap Ring-Ext. (S1173 & Above)
	3340275	1	Impeller-Herringbone (S1172 & Below)	29	3341341	1	Key-0.31 x 0.31 x 4.00
14*	3341463	1	Impeller-Herringbone (S1173 & Above)	30	7000275	1	Impeller Set (Includes Ref# 7(1 ea) and Ref# 22 (5 ea), S1173 & Above)
	3340727	1	Impeller-Herringbone (S1172 & Below)				
15*	3341461	1	Pump Shaft P-15 (Idler W/Groove (S1173 & Above)				
	3340289	1	Pump Shaft (S1172 & Below)				
16	3340300	1	Key-Ground End, Pump Idle Shaft				

DRIVELINES - GMC TRUCKS
40 and 90 Series Pumps

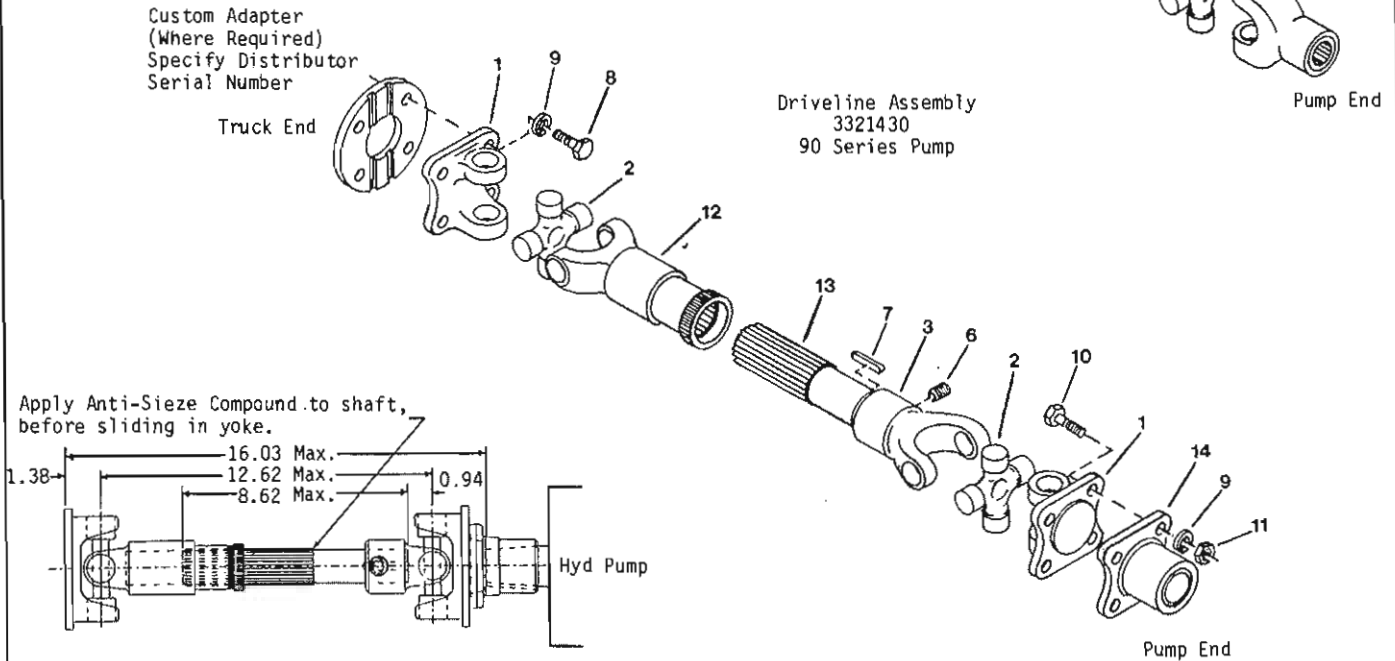
Custom Adapter
(Where Required)
Specify Distributor
Serial Number

Driveline Assembly
3321432
40 Series Pump



Custom Adapter
(Where Required)
Specify Distributor
Serial Number

Driveline Assembly
3321430
90 Series Pump



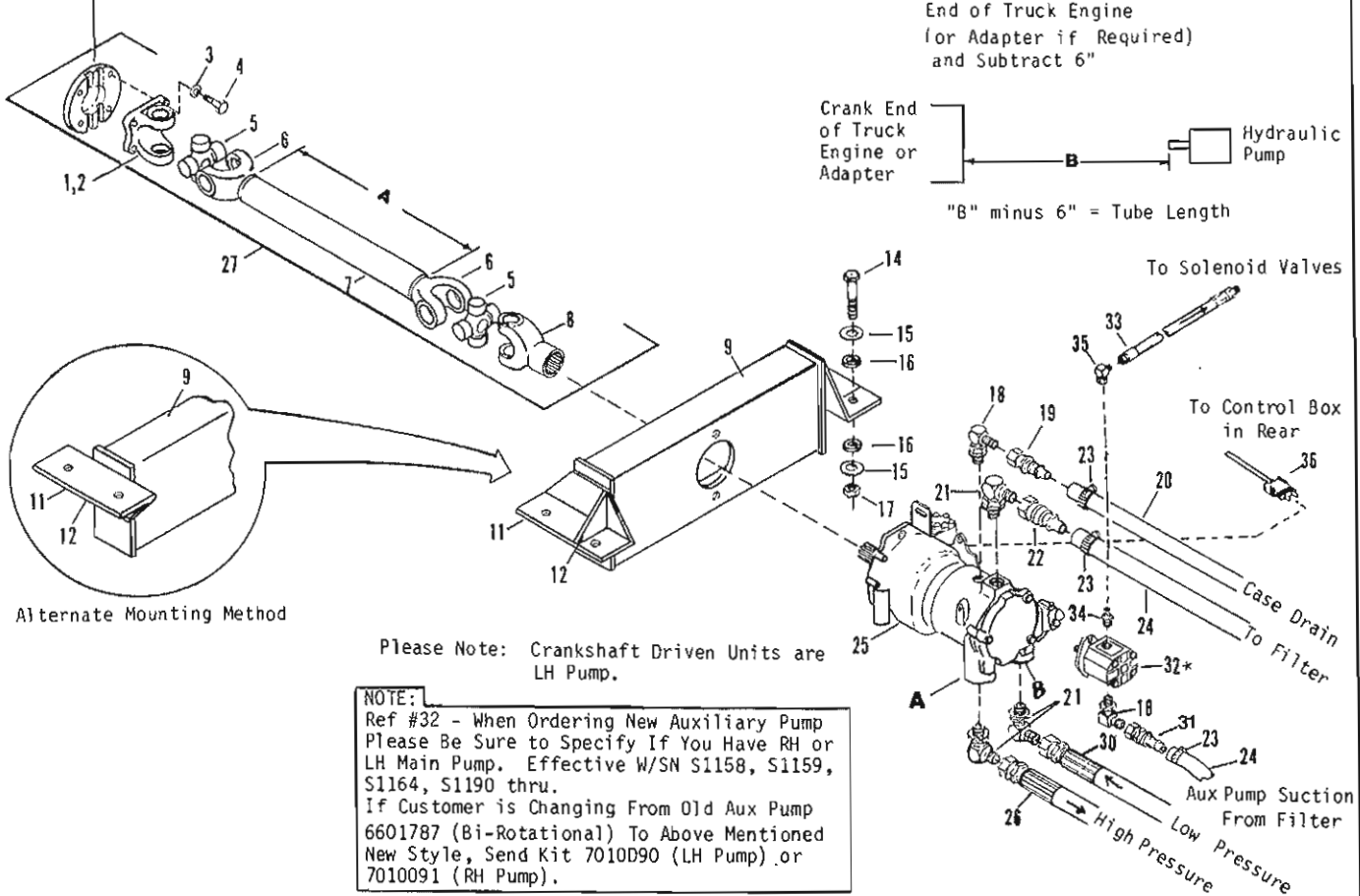
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3170021	AR	Yoke-Flange				
2	3170013	2	Journal & Bearing Kit				
3	6440170	AR	End Yoke-1.25" Bore				
4	3321431	1	Shaft (40 Series)				
5	6440200	1	End Yoke, Splined				
6	0102615	AR	Screw-Sock, 0.50NC x 0.50 Lg, CUP PT.				
7	6000161	AR	Key-0.31 x 0.31 x 1.50 Lg.				
8	0454904	4	Screw-Hex, 0.38NC x 0.75, GRB,PD				
9	0120382	AR	Washer-Lock, 0.38, Spring,PD				
10	0186679	4	Screw-Hex, 0.38NC x 1.25, GRB,PD				
11	0120377	4	Nut-Hex, 0.38NC,PD				
12	6440165	1	Yoke Asm, Splined				
13	3321429	1	Shaft (90 Series)				
14	6440162	1	Flange Companion, Tapered				

AR - AS REQUIRED

HYDRAULIC PUMP DRIVE - CRANKSHAFT DRIVEN
40 Series Pump

Custom Adapter
(Where Required)
Specify Distributor
Serial Number

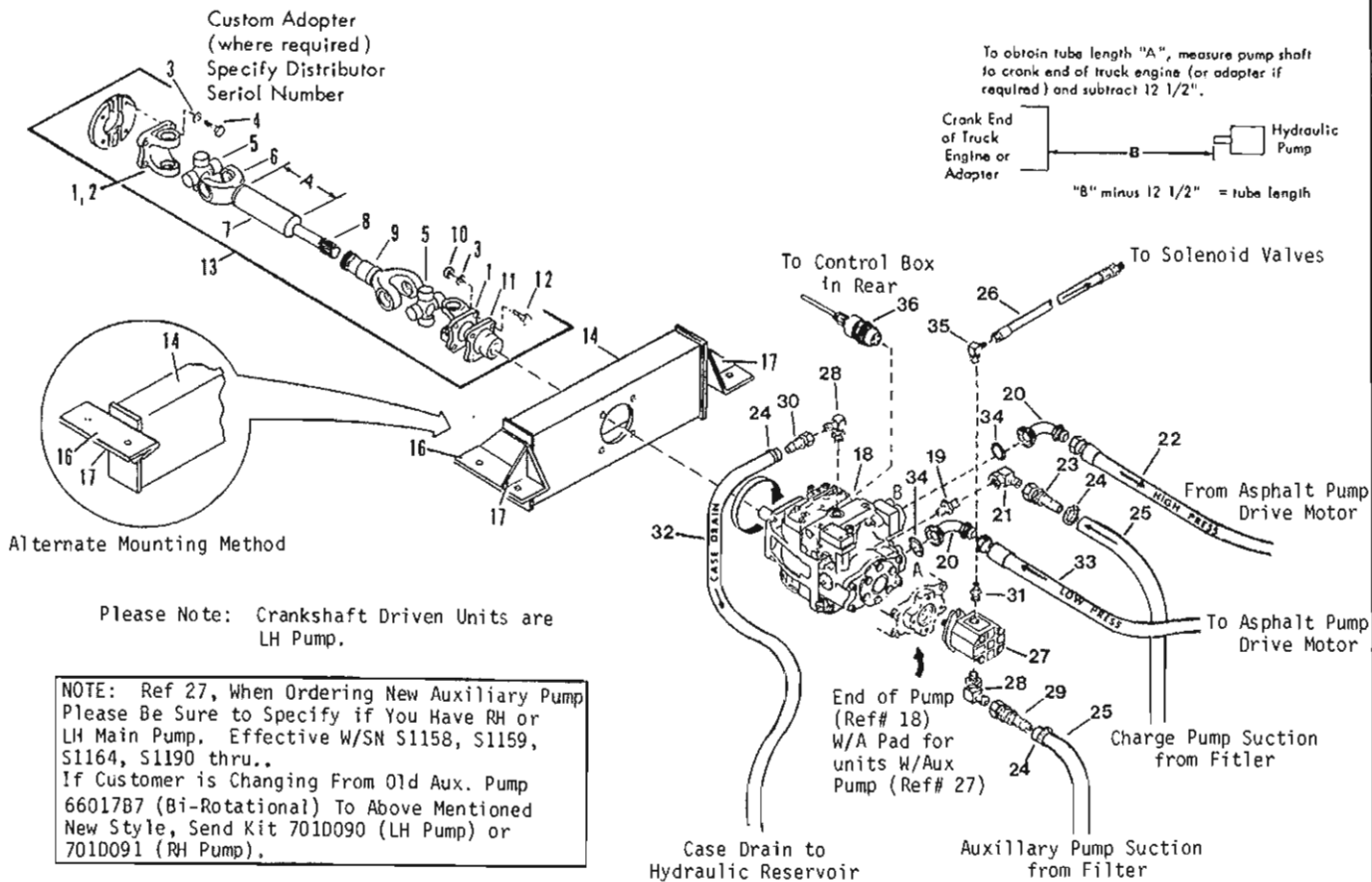
To Obtain tube Length "A",
Measure Pump Shaft to Crank
End of Truck Engine
(or Adapter if Required)
and Subtract 6"



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6440172	1	Yoke-Flange, 2.75 Male Pilot	25	6602189	1	Pump-2.8CI, LH, EDC, Spline, A Pad
2	3170021	2	Yoke-Flange, 2.38 Male Pilot	7010098	1	A Pad	
3	0120382	4	Washer-Lock, 0.38, Spring,PD	6602239	1	Pump-2.8CI, LH, EDC, 15T, No Pad	
4	0454904	4	Screw-Hex, 0.38NC x 0.75, GR8,PD	7010093	1	Seal Kit (Both Pumps)	
5	3170013	2	Journal & Bearing	7010095	1	Electronic Stroker (Both Pumps)	
6	6440164	2	Yoke	26	9250610	AR	Hyd Hose Asm, HP (Sp Lgth)
7	6303278	AR	Tube-2.00 x 14Ga, Hrw, Ft.	27	9301275	1	Drive Line Asm
8	6440200	1	Yoke-End, 1.00, 15T	28	0120377	4	Nut-Hex, 0.38NC
9	3321423	1	Mounting Channel	29	0186679	4	Screw-Hex, 0.38NC x 1.25, GR8
10				30	9250611	1	Hose Asm LP, 12FJX-12FJX (Sp Lgth)
11	3321424	2	Mounting Angle	31	6601812	1	Hose Edn, 12FJ, 1.00 Hose
12	3321332	2	Gusset	32	6602390	1	Pump-Hyd, 0.68CI, A Pad, Spline, LH
13				7420255	1	Seal Kit	
14	0122459	4	Screw-Hex, 0.50NC x 2.00,GR2,PD	33	9250612	1	Hose Asm-LP (Specify Length)
15	0120390	4	Washer-Flat, 0.50A,W,PD	34	6600903	1	Adp-Hyd, ST, 08MJ-10MB
16	0120384	4	Washer-Lock, 0.50, Spring,PD	35	9410281	1	Elbow-Hyd, 90, 08FJX-08MJ
17	0120378	4	Nut-Hex, 0.50NC,PD	36	3370247	1	Cable Asm-Pump Stroker
18	9410979	2	Elbow-Hyd, 90, 12MB-12MJ				
19	6600648	1	Hose End-12 x 12FJX, ST, Push Lock				
20	6600646	AR	Hose-Self Grip				
21	6601568	3	Elbow-Hyd, 90, 16MB-16MJ				
22	6601566	1	Hose End, 16FJX-16, ST				
23	6000792	1	Clamp-Hose, Worm Drive, 1.06 to 2				
24	6601564	AR	Hose-Suction, 1.0 10, SAE 100R4				

AR = AS REQUIRED

HYDRAULIC PUMP DRIVE - CRANKSHAFT DRIVEN
90 Series Pump



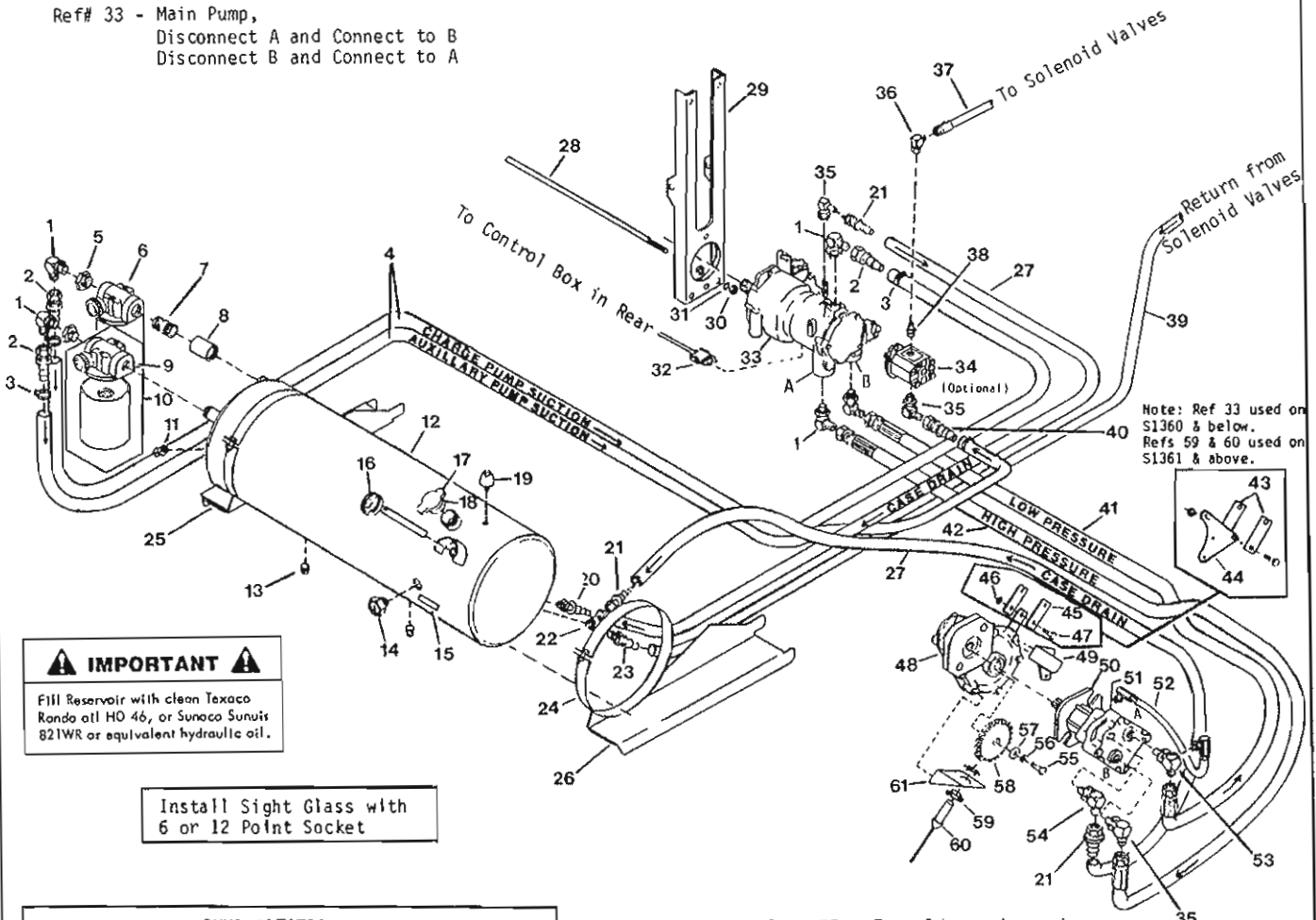
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3170021	1	Yoke-Flange, 2.38 Male Pilot	23	6601566	2	Hose End, 16FJX-16, ST
2	6440172	1	Yoke-Flange, 2.75 Male Pilot	24	6000792	6	Clamp-Hose, Worm Drive, 1.06 to 2
3	0120382	8	Washer-Lock, 0.38, Spring, PD	25	6601564	AR	Hose Suction, 1.00 ID
4	0454904	4	Screw-Hex, 0.38NC x 0.75, GR8, PD	26	9250612	1	Hose Asm-LP (Specify Length)
5	3170013	2	Journal & Bearing	27	6602390	1	Pump-4.57, LH
6	6440164	1	Yoke	27	6602390	1	Pump-Hyd, 0.68CI, A Pad, Spline, LH
7	6303278	AR	Tube-2.00 x 14Ga, (Sp Lgth)	7420255	1	Seal Kit	
8	6440199	1	Shaft	9410979	2	Elbow-Hyd, 90, 12MB-12MJ	
9	3110034	1	Yoke Sleeve	29	6601812	1	Hose End, 12FJ-1" Hose
10	0120377	4	Nut-Hex, 0.38NC, PD	30	6600648	AR	Hose End, 12 x 12FJX, ST, Push Lock
11	6440162	1	Flange Companion	31	6600903	1	Adp-Hyd, ST, OBMJ-10MB
12	0186679	4	Screw-Hex, 0.38NC x 1.25, GR8, PD	32	6600646	AR	Hose-Self Grip (Specify Length)
13	9301215	1	Drive Line Asm	33	9250611	1	Hose Asm-LP, 12FJX-12FJX (Sp Lgth)
14	3321422	1	Mounting Channel	34	0274253	2	O Ring Tube Fitting, 1.50
15				35	9410281	1	Elbow-Hyd, 90, 08FJX-08MJ
16	3321424	2	Mounting Angle	36	3370185	1	Cable Asm-Pump Stroker
17	3321332	2	Gusset				
18	6602280	1	Pump-4.57, LH, Ele., A Pad				
	7010097	1	A Pad Asm Complete				
	6602278	1	Pump-4.57, LH, Ele., No Pad				
	7010092	1	Seal Kit (Both Pumps)				
	7010096	1	Electronic Stroker (Both Pumps)				
19	9410233	1	Adp-Hyd, ST, 16MB-16MJ				AR - AS REQUIRED
20	6601045	2	Elbow-Hyd, 90, 16FL-16MJ				
21	9410285	1	Elbow-Hyd, 90, 16FJX-16MJ				
22	9250610	1	Hose Asm-HP (Specify Length)				

HYDROSTATIC DRIVE SYSTEM - PTO DRIVEN
40 Series Pump

LH - Left Hand Pump Shown

For RH Pump - Auxiliary Pump Suction Hose,
Ref# 4 is on top and discharge to Solenoid,
Ref# 37 is on bottom.

Ref# 33 - Main Pump,
Disconnect A and Connect to B
Disconnect B and Connect to A



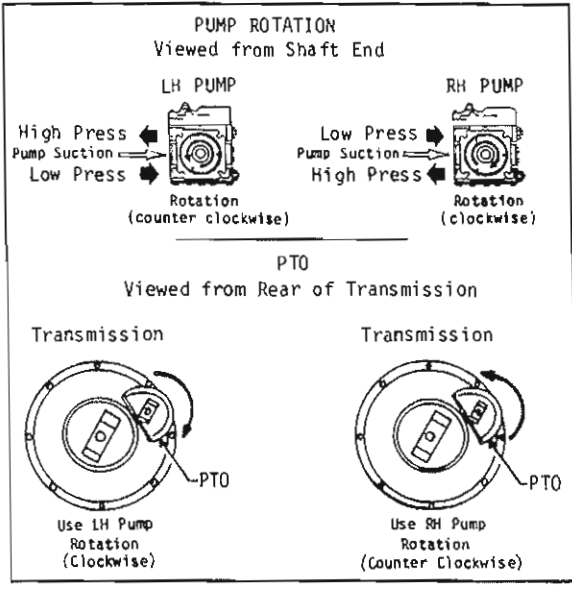
Note: Ref 33 used on S1360 & below.
Refs 59 & 60 used on S1361 & above.

IMPORTANT
Fill Reservoir with clean Texaco Rando oil HD 46, or Sunoco Sunavis 821WR or equivalent hydraulic oil.

Install Sight Glass with 6 or 12 Point Socket

NOTE: Ref# 55 - For older units, when connecting gear to asphalt pump use a 0.25" bolt.

NOTE: Ref# 34 - When ordering new auxiliary pump, please be sure to specify if you have RH or LH main pump. Effective with SN/S1158, S1159, S1164, S1190 thru.
If customer is changing from old aux pump 6601787 (Bi-Rotational) to new aux pump 6602390 or 6602391, send kit 7010090 (LH) or 7010091 (RH).



HYDROSTATIC DRIVE SYSTEM - PTO DRIVEN
40 Series Pump

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6601568	5	Elbow-Hyd, 90, 16MB-16MJ	56	0120384	1	Washer-Lock, 0.50, Spring,PD
2	6601566	3	Hose End, 16FJX-16,ST,LP	57	0120390	1	Washer-Flat, 0.50A,W,PD
3	6000792	3	Hose Clamp, Worm Dr. 1.06 to 2	58	6440210	1	Gear-Spur, 80T, 200P, 4.10, .375W
4	6601564	AR	Suction Hose, 1" 1D	59	6701510	1	Romex Connector, 0.75
5	0125915	1	Bushing-Pipe, 1.25 x 1.00NPT,PD	60	6701838	1	Proximity Pick Up Sensor, 12 VDC
6	6602214	1	Filter-Hyd, Vacumm, 10 Micron	61	3360820	1	Bracket
	7420244	1	Replacement Element				
7	0219357	1	Nipple-1.25 x 2.00, CL,PN				
8	0144066	1	Coupling-Pipe, 1.25NPT,PN				
9	7420042	1	Indicator				
10	6601571	1	Filter-Return Line, 1.25NPT				
	7420219	1	Element-Filter, 10 Micron				
11	6600237	1	Switch-Thermo				
12	3321386	1	Tank Asm-Hyd, 12 x 55				
	3321905	1	Tank Asm-Hyd, 14 x 40				
13	0219301	4	Plug-Pipe, SqHd, 0.75NPT,PN				
14	6600224	1	Plug-Oil, Eyesite				
15	3390605	1	Plate, Instruction, Oil Spec.				
16	6500039	1	Thermometer-2" Dial, 9" Dual				
17	3330026	1	Cap				
18	6000233	1	Gasket-2.18 Filler Cap, Leather				
19	6600223	1	Breather				
20	6600647	1	Hose End-12 x 12MP,ST,LPSP				
21	6600648	3	Hose End-12 x 12FJX				
22	9402828	1	Elbow-Hyd, 45, 12MJ-12MP				
23	6600663	1	Hose End-08 x 08MP,ST,LPSP				
24	3301156	2	Strap-12" Tank				
	3331867	2	Strap-14" Tank				
25	3301158	1	Hanger-LH, 12" Tank				
	3301307	1	Hanger-LH, 12" Tank				
26	3301157	1	Hanger-RH, 12" Tank				
	3301306	1	Hanger-RH, 12" Tank				
	3301309	1	Hanger-Comb-LH Center				
27	6600646	2	Hose-Self Grip, 0.75 (Sp Lgth)				
28	6303119	1	Round-0.50CR				
29	3321374	1	Support-Pump, 40 Series				
30	0120378	2	Nut-Hex, 0.50NC,PD				
31	0120384	2	Washer-Lock, 0.50, Spring,PD				
32	3370247	1	Cable Asm-Pump Stroker				
33	6602189	1	Pump-2.8Cl, LH, EDC, Spline, A Pad				
	6602238	1	Pump-2.8Cl, RH, EDC, 15T, A Pad				
	7010098	1	A Pad (6602189 & 6602238)				
	6602239	1	Pump-2.8Cl, LH, EDC, 15T, No Pad				
	6602240	1	Pump-2.8Cl, RH, EDC, 15T, No Pad				
	7010093	1	Seal Kit (All Pumps)				
	7010095	1	Electronic Stroker (All Pumps)				
34	6602390	1	Aux Pump, 0.68Cl, A Pad, Spline, LH				
	6602391	1	Aux Pump, 0.68Cl, A Pad, Spline, RH				
	7420255	1	Seal Kit (6602390 & 6602391)				
35	9410979	3	Elbow-Hyd, 90, 12MB-12MJ				
36	9410281	1	Elbow-Hyd, 90, 08FJX-08MJ				
37	9250612	1	Hose Asm-LP, Aux Pump (Sp Lgth)				
38	6600903	1	Adp-Hyd, ST, 08MJ-10MB				
39	6600662	1	Hose-Push Lock, 0.50 (Sp Lgth)				
40	6601812	1	Hose End, 16-12FJX,ST				
41	9250611	1	Hose Asm-LP, 12FJX-16FJX (Sp Lgth)				
42	9250610	1	Hose Asm-HP (Sp Lgth)				
43	3321405	2	Link				
44	3321402	1	Bracket				
45	3352676	2	Tie Bar Asm				
46	0274993	2	Nut-Hex, Lock, 0.38NC,EA,PD				
47	0120918	2	Screw-Hex, 0.38NC x 1.50,GR2,PD				
48	6415121	1	Gear Reducer-3:1, 15T, Spline				
	6415224	1	Gear Reducer-6:1, 15T, Spline				
	7801110	1	Seal Kit				
	7230236	1	Input Adapter				
	7230237	1	Individual Seal				
49	3361165	1	Stop-Air Valve Cylinder				
50	6602163	1	Motor-2.1 Culin., Fixed Spline				
51	3321394	1	Adp-Hyd, ST, 04FP-10MB				
52	3360907	1	Hose Asm-04 x 17, 04MPX90-04MPX90				
53	3321388	1	Rew 9410979 Fitting				AR - AS REQUIRED
54	6601811	1	Elbow-Hyd, 90, 10MB-12MJ				
55	0120426	1	Screw-Hex, 0.50NC x 1.25,GR2,PD				

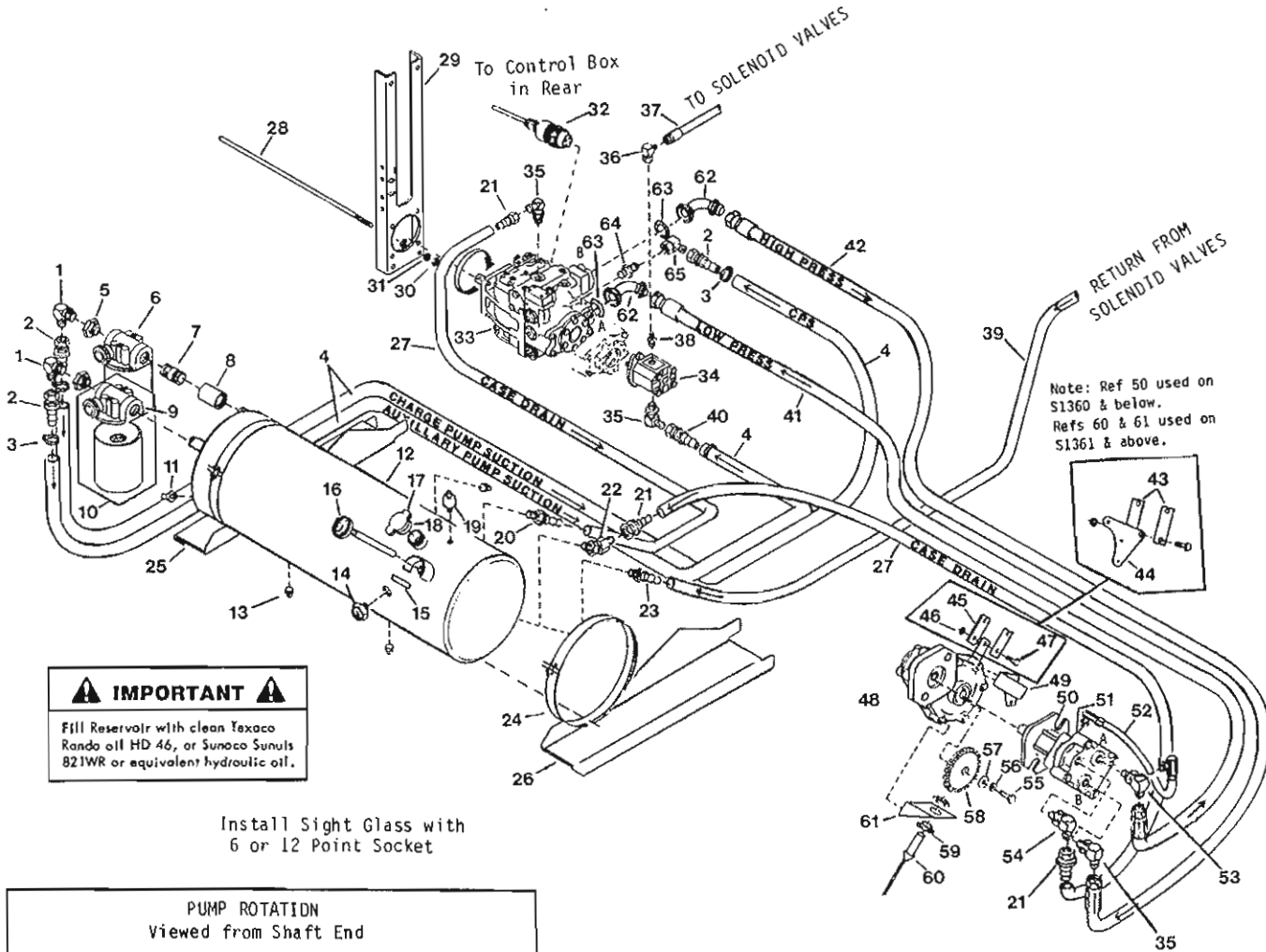
SPECIFY UNIT SERIAL NO., PART NO., & PART DESCRIPTION

HYDROSTATIC DRIVE SYSTEM - PTO DRIVEN
90 Series Pump

LH - Left Hand Pump Shown

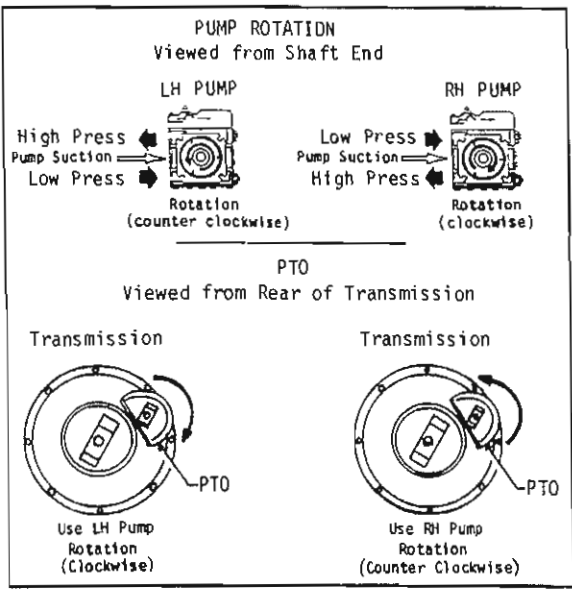
For RH Pump - Auxiliary Pump Suction Hose,
Ref# 4 is on top and discharge to Solenoid,
Ref# 37 is on bottom.

Ref# 33 - Main Pump,
Disconnect A and Connect to B
Disconnect B and Connect to A



IMPORTANT
Fill Reservoir with clean Texaco Rando oil HD 46, or Sunoco Sunuls 821WR or equivalent hydraulic oil.

Install Sight Glass with 6 or 12 Point Socket



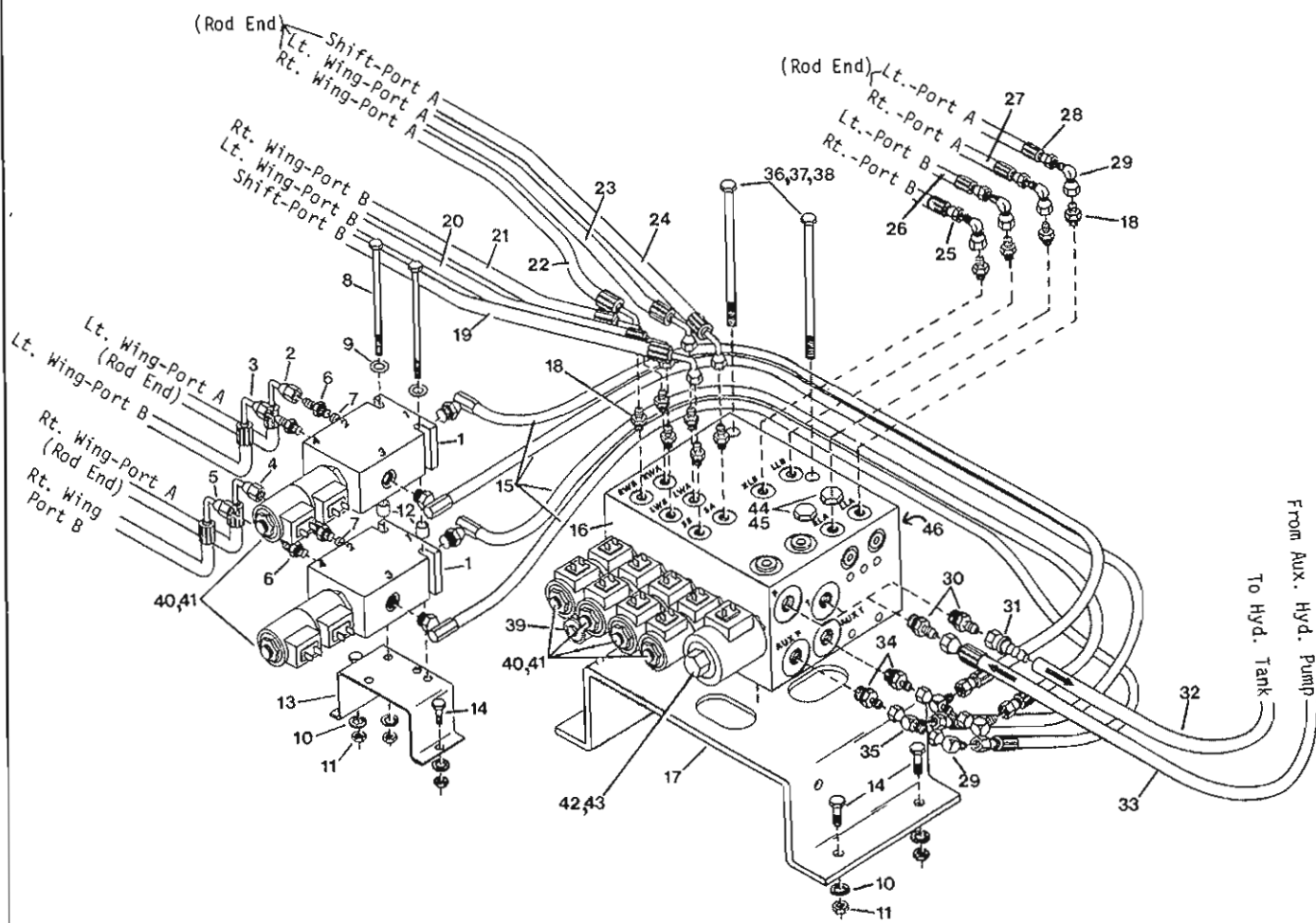
NOTE: Ref# 55 - For older units, when connecting gear to asphalt pump use a D.25" bolt.

NOTE: Ref# 34 - When ordering new auxiliary pump, please be sure to specify if you have RH or LH main pump, Effective with SN/S1158, S1159, S1164, S1190 thru.
If customer is changing from old aux pump 6601787 (Bi-Rotational) to new aux pump 6602390 or 6602391, sent kit 7010090 (LH) or 7010091 (RH).

HYDROSTATIC DRIVE SYSTEM - PTO DRIVEN
90 Series Pump

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6601568	2	Elbow-Hyd, 90, 16MB-16MJ	56	0120384	1	Washer-Lock, 0.50, Spring,PO
2	6601566	3	Hose End, 16FJX-16,ST,LP	57	0120390	1	Washer-Flat, 0.50A,W,PO
3	6000792	3	Hose Clamp, Worm Dr. 1.06 to 2	58	6440210	1	Gear-Spur, 80T, 200P, 4.10, .375W
4	6601564	AR	Suction Hose, 1" 10	59	6701510	1	Romex Connector, 0.75
5	0125915	1	Bushing-Pipe, 1.25 x 1.00NPT,PO	60	6701838	1	Proximity Pick Up Sensor, 12 VOC
6	6602214	1	Filter-Hyd, Vacuum, 10 Micron	61	3360820	1	Bracket
	7420244	1	Replacement Element	62	6601045	2	Elbow-Hyd, 90, 16FL-16MJ
7	0219357	1	Nipple-1.25 x 2.00, CL,PN	63	0274253	2	O Ring Tube Fitting, 1.50
8	0144066	1	Coupling-Pipe, 1.25NPT,PN	64	9410233	1	Adp-Hyd, ST, 16MB-16MB Long
9	7420042	1	Indicator	65	9410285	1	Elbow-Hyd, 90, 16FJX-16MJ
10	6601571	1	Filter-Return Line, 1.25NPT				
	7420219	1	Element-Filter, 10 Micron				
11	6600237	1	Switch-Thermo				
12	3321386	1	Tank Asm-Hyd, 12 x 55				
	3321905	1	Tank Asm-Hyd, 14 x 40				
13	0219301	4	Plug-Pipe, SqHd, 0.75NPT,PN				
14	6600224	1	Plug-Oil, Eyesite				
15	3390605	1	Plate, Instruction, Oil Spec.				
16	6500039	1	Thermometer-2" Dial, 9" Dual				
17	3330026	1	Cap				
18	6000233	1	Gasket-2.18 Filler Cap, Leather				
19	6600223	1	Breather				
20	6600647	1	Hose End-12 x 12MP,ST,LPSP				
21	6600648	3	Hose End-12 x 12FJX				
22	9402828	1	Elbow-Hyd, 45, 12MJ-12MP				
23	6600663	1	Hose End-08 x 08MP,ST,LPSP				
24	3301156	2	Strap-12" Tank				
	3331867	2	Strap-14" Tank				
25	3301158	1	Hanger-LH, 12" Tank				
	3301307	1	Hanger-LH, 12" Tank				
26	3301157	1	Hanger-RH, 12" Tank				
	3301306	1	Hanger-RH, 12" Tank				
	3301309	1	Hanger-Comb-LH Center				
27	6600646	2	Hose-Self Grip, 0.75 (Sp Lgth)				
28	6303119	1	Round-0.50CR				
29	3321374	1	Support-Pump, 40 Series				
30	0120378	2	Nut-Hex, 0.50NC,PO				
31	0120384	2	Washer-Lock, 0.50, Spring,PD				
32	3370185	1	Cable Asm-Pump Stroker				
33	6602280	1	Pump-4.57, LH, Ele., A Pad				
	6602279	1	Pump-4.57, RH, Ele., A Pad				
	7010097	1	A Pad Asm Comp (6602280 & 6602279)				
	6602278	1	Pump-4.57, LH, Ele., No Pad				
	6602277	1	Pump-4.57, RH, Ele., No Pad				
	7010092	1	Seat Kit (All Pumps)				
	7010096	1	Electronic Stroker (All Pumps)				
34	6602390	1	Aux Pump, 0.68CI, A Pad, Spline, LH				
	6602391	1	Aux Pump, 0.68CI, A Pad, Spline, RH				
	7420255	1	Seal Kit (6602390 & 6602391)				
35	9410979	3	Elbow-Hyd, 90, 12MB-12MJ				
36	9410281	1	Elbow-Hyd, 90, 08FJX-08MJ				
37	9250612	1	Hose Asm-LP, Aux Pump (Sp Lgth)				
38	6600903	1	Adp-Hyd, ST, 08MJ-10MB				
39	6600662	1	Hose-Push Lock, 0.50 (Sp Lgth)				
40	6601812	1	Hose End, 16-12FJX,ST				
41	9250611	1	Hose Asm-LP, 12FJX-16FJX (Sp Lgth)				
42	9250610	1	Hose Asm-HP (Sp Lgth)				
43	3321405	2	Link				
44	3321402	1	Bracket				
45	3352676	2	Tie Bar Asm				
46	0274993	2	Nut-Hex, Lock, 0.38NC,EA,PO				
47	0120918	2	Screw-Hex, 0.38NC x 1.50,GR2,PD				
48	6415121	1	Gear Reducer-3:1, 15T, Spline				
	6415224	1	Gear Reducer-6:1, 15T, Spline				
	7801110	1	Seal Kit				
	7230236	1	Input Adapter				
	7230237	1	Individual Seal				
49	3361165	1	Stop-Air Valve Cylinder				
50	6602163	1	Motor-2.1 CuIn., Fixed Spline				
51	3321394	1	Adp-Hyd, ST, 04FP-10MB				
52	3360907	1	Hose Asm-04 x 17, 04MPX90-04MPX90				
53	3321388	1	Rew 9410979 Fitting				AR - AS REQUIRED
54	6601811	1	Elbow-Hyd, 90, 10MB-12MJ				
55	0120426	1	Screw-Hex, 0.50NC x 1.25,GR2,PD				

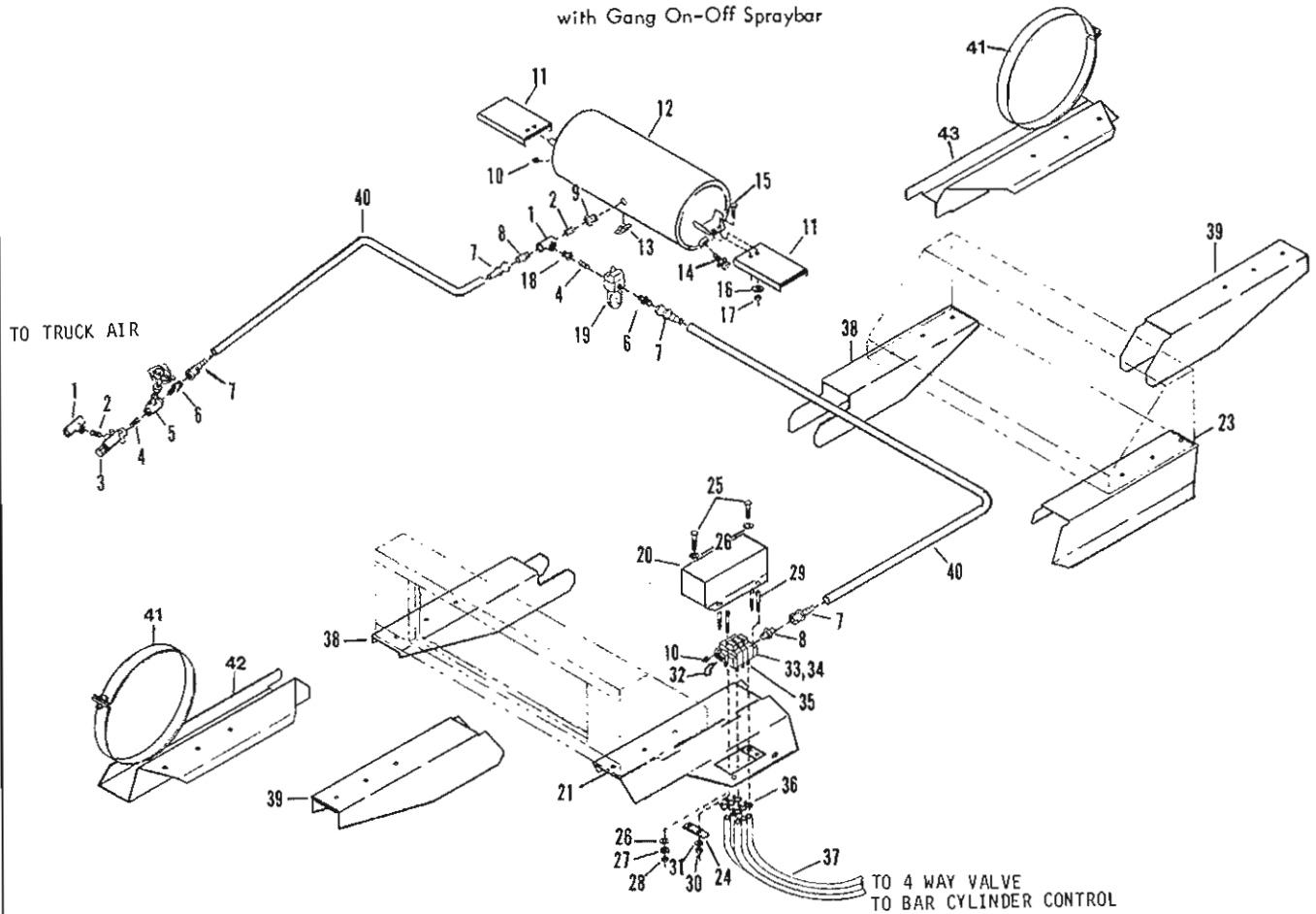
MANIFOLD ASSEMBLY
S/N 51703 & Above
6 STATION SHOWN



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6602357	AR	Valve-Sol., 4-Way, 3 Pos, Closed	30	9410203	2	Adp-Hyd, ST, 08MB-08MJ
2	3361216	1	Hose Asm-04 x 264, 06MBX90-04FJX	31	6600663	1	Hole End-08 x 08MP, ST, LPSP
3	3361217	1	Hose Asm-04 x 274, 06MBX90-04FJX	32	6600662	1	Hose-Push Lock (Specify Length)
4	3361214	1	Hose Asm-04 x 268, 06MBX90-04FJX	33	9250612	1	Hose Asm-LP Aux Hyd. Pump (Specify Length)
5	3361215	1	Hose Asm-04 x 278, 06MBX90-04FJX	34	6602363	2	Adp-Hyd., ST, 08MB-04MJ
6	6602134	4	Adp-Hyd, ST, 06MB-04MJ	35	6602140	AR	Tee-Hyd., 04MJ-04FJX-04MJ
7	3361219	2	Orifice Plug-0.490D, 0.2T, 0.292, Alum.	36	0115253	2	Screw-Hex, 0.38NC x 5.00, GR2, PD
8	0173206	2	Screw-Hex, 0.25NC x 3.50, GR2, PD	37	0120382	2	Washer-Lock, 0.38, Spring, PD
9	0120386	2	Washer-Flat, 0.25A(0.31 x 0.78), PD	38	0120377	2	Screw-Hex, 0.38NC, PD
10	0120380	8	Washer-Lock, 0.25, Spring, PD	39	7230291	1	Relief Valve
11	0120375	8	Nut-Hex, 0.25NC, PD	7230299	1	Seal Kit	
12	3311639	2	Spacer, Pipe-0.19 Sch 40, 0.38 Lg.	40	7230295	AR	Solenoid Valve
13	3311502	1	Bracket	7230302	1	Seal Kit	
14	0121900	6	Screw-Hex, 0.25NC x 1.00, GR2, PD	41	7230297	AR	Coil
15	3361213	4	Hose Asm-Hyd., 04 x 24, 06MBX90-04FJX	42	7230294	1	Solenoid Valve
16	6602356	1	Manifold-Hydroforce	7230301	1	Seal Kit	
17	3361212	1	Bracket	43	7230298	1	Coil
18	9410200	10	Adp-Hyd, ST, 04MB-04MJ	44	7230292	4	Check Valve
19	3361098	1	Hose Asm-04 x 151, 04FJX90M-06MPX90	7230299	1	Seal Kit	
20	3361092	1	Hose Asm-04 x 220, 06MPX90-04FJX90M	45	7230296	4	Piston
21	3361093	1	Hose Asm-04 x 210, 06MPX90-04FJX90M	46	7230293	1	Flow Divider
22	3361095	1	Hose Asm-04 x 196, 06MPX90-04FJX90	7230300	1	Seal Kit	
23	3361094	1	Hose Asm-04 x 204, 06MPX90-04FJX90				
24	3361099	1	Hose Asm-04 x 161, 06MPX90-04FJX90				
25	3361671	1	Hose Asm-04 x 126, 06MPX90-04FJX				
26	3361096	1	Hose Asm-04 x 126, 06MPX90-04FJX				
27	3361672	1	Hose Asm-04 x 137, 06MPX90-04FJX				
28	3361097	1	Hose Asm-04 x 137, 06MPX90-04FJX				
29	9410278	AR	Elbow-Hyd, 90, 04FJX-04MJ				

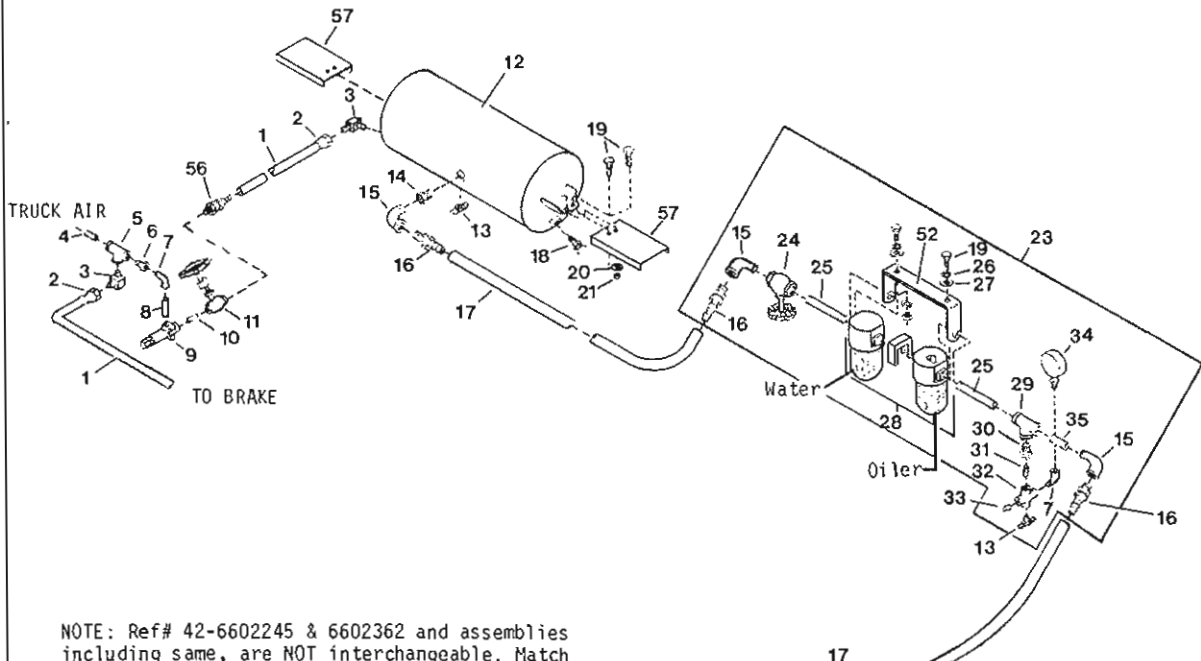
AR - AS REQUIRED

AIR SUPPLY
with Gang On-Off Spraybar

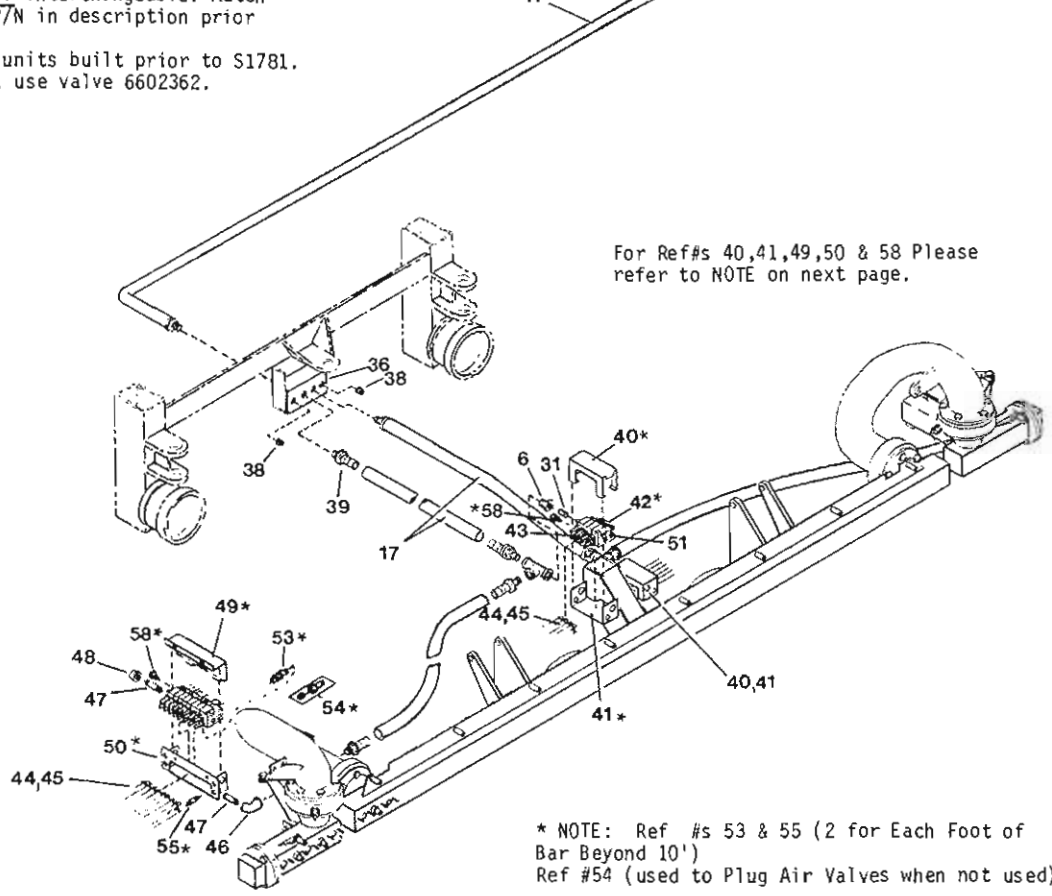


REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	0120280	2	Tee-Pipe, 0.38NPT,PN	29	0138207	8	Cap Screw-Hex
2	0121207	2	Nipple-0.38 x 1.00CL,PN	30	0120386	8	Washer-Flat, 0.25A,PD
3	6600304	1	Vlv-Pressure, Regulator	31	9413946	8	Nut-Hex, Lock, 0.25NC,EA,PD
4	0105405	2	Nipple-0.25 x 0.88CL,PN	32	0119097	1	Elbow-Pipe, 90, 0.38NPT,PN
5	6600303	1	Valve-Globe,0.25,ST	33	6601456	2	Plate-End, SpBr, Cont. Vlv
6	0118750	2	Adapter-Auto,ST,04MP-06MS	34	6601779	AR	Kit-End Block, 0.25, Air Valve
7	6600306	4	Hose End-06 x 06FSX	34	6601455	AR	Vlv-Air, 2 Pos, 4 Way, 12 VDC
8	0455863	2	Adpt-Auto, ST, 06MP-06MS		7420231	AR	Gasket-Stacking, Air Valve
9	0144034	1	Bushing-Pipe,0175 x 0.50NPT,PN		7215169	AR	Kit-Repair
10	0219191	1	Plug-Pipe, SqHd,0.38NPT,PN	35	6645028	AR	Hose-End, 04 x 04MP,ST,LP
11	3361119	2	Brkt-Mtg, Air Reservoir,(Long)	36	6001005	AR	Clamp
	3361163	2	Brkt-Mtg, Air Reservoir,(Short)	37	6309255	AR	Hose-Fuel, 0.19 ID
12	6450357	1	Reservoir-Air 9.69 x 22.5	38	3301205	2	Hanger-Tool Box Front, Tandem
13	6600162	1	Cock-Drain, 0.25	39	3301177	2	Hanger-Tool Box Front, Single
14	6600299	1	Valve-Safety	40	6600324	AR	Hose 3/8 Per Ft.
15	0120918	4	Screw-Hex, 0.38NC x 1.50,GR2,PD	41	3331867	1	Strap Mtg. Hyd & Fuel Tank, 14"
16	0120382	4	Washer-Lock, 0.38, Spring,PD	42	3301309	1	Hanger Comb. LH Center
17	0120377	4	Nut-Hex, 0.38NC,PD	43	3301308	1	Hanger Comb. RH Center
18	0119931	1	Bushing-Pipe, 0.38 x 0.25NPT,PN				
19	6600137	1	Oiler				
	7420255	1	Bowl				
20	3301317	1	Lid-Cover Air Bank Sol. LH				
21	3301316	1	Hanger-Tool Box LH Rear				
22							
23	3301142	1	Hanger-Tool Box RH Rear				
24	3301249	2	Clamp Sol. Mtg-Air				
25	0120895	4	Screw-Hex, 0.56 x 1.25,GR2,PD				
26	0130998	8	Washer-Flat, 0.56A (0.62 x 1.46)PD				AR - AS REQUIRED
27	0120898	4	Washer-Lock, 0.56, Spring,PD				
28	0124583	4	Nut-Hex, 0.56NC,PD				

AIR SUPPLY
Spraybar Controlled in 1' Increments



NOTE: Ref# 42-6602245 & 6602362 and assemblies including same, are NOT interchangeable. Match P/N on valve body to P/N in description prior to making selection.
This applies to all units built prior to S1781.
Units S1781 and after, use valve 6602362.



For Refs 40,41,49,50 & 58 Please refer to NOTE on next page.

* NOTE: Ref #s 53 & 55 (2 for Each Foot of Bar Beyond 10')
Ref #54 (used to Plug Air Valves when not used)

AIR SUPPLY
Spraybar Controlled in 1' Increments

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6600324	AR	Hose-0.38, Per/Ft.	57	3361119	2	Bracket Mtg. Long
2	6600306	AR	Hose End-06 x 06FSX, ST, LPSP		3361163	2	Bracket Mtg. Short
3	6200179	2	Elbow, 0.38 Tube x 0.38MPT, 90 Deg.	58*	6602433	8	Breather, 0.25NPT
4	0109421	1	Nipple-0.38 x 1.50CL,PN				
5	0120280	1	Tee-Pipe, 0.38NPT,PD				
6	0119931	1	Bushing-Pipe, 0.38 x 0.25NPT,PN				
7	0105423	2	Elbow-Pipe, 90, ST, 0.25NPT,PN				
8	0119920	1	Nipple-0.25 x 2.00 Lg,PN				
9	6600304	1	Valve-Pressure Regulator				
10	0105407	2	Nipple-0.25 x 1.50CL,PN				
11	6600303	1	Valve-Globe, 0.25, ST				
12	6450357	1	Reservoir				
13	6600162	2	Drain Cock, 0.25				
14	0144034	1	Bushing-Pipe, 0.75 x 0.50NPT,PN				
15	0108686	3	Elbow-Pipe, 90, ST, 0.50NPT,PN				
16	6600663	4	Hose End 08 x 08MP, ST, LPSP				
17	6600662	AR	Hose-Push Lock				
18	6600299	1	Safety Valve				
19	0120918	6	Screw-Hex, 0.38NC x 1.50,GR2,PO				
20	0120382	6	Washer-Lock, 0.38, Spring,PD				
21	0120377	6	Nut-Hex, 0.38NC,PD				
22							
23	3311478	1	Bracket Asm				
24	6600343	1	Valve-Globe, Scr, 0.50, Brz, 125 PSI				
25	0190700	2	Nipple-0.50 x 4.00 Lg,PN				
26	0120388	2	Washer-Flat, 0.38A,PO				
27	7700056	2	Washer-Hauck				
28	6601777	1	Filter-Lubrication Asm, 0.50				
	7420241	AR	Replacement Plastic Bowl W/Metal Bowl Guard & Auto Drain				
	7420240	AR	Bowl Only (Oiler)				
	7420239	AR	Bowl Only (Water)				
	7420238	2	O-Ring				
	7420283	1	Air Filter Asm-Only				
	7420284	1	Lubricator Asm-Only				
29	0138105	2	Tee-Pipe, 0.50NPT,PN				
30	0144045	1	Bushing-Pipe, 0.50 x 0.25NPT,PN				
31	0105405	1	Nipple-0.25 x 0.88CL,PN				
32	0105419	1	Cross-Pipe, 0.25NPT,PN				
33	0219189	1	Plug-Pipe, SqHd, 0.25NPT,PN				
34	6600168	1	Gauge-Pressure, 2.5", 0-160 PSI				
35	0121208	1	Nipple-0.50 x 1.12CL,PN				
36	3352807	1	Air Manifold Asm				
37	0120280	2	Tee-Pipe, 0.38NPT				
38	0219191	AR	Plug-Pipe, SqHd, 0.3BNPT,PO				
39	6602128	8	Hose End-06 x 06MP, ST, LPSP				
40*	3361191	2	Cover-4 Air Valve Bank				
41*	3361194	2	Base Plate-4 Air Valve Bank				
42*	6602245	AR	Stacking Valve 45A-SAI-DOCA-2BA-M0446 S/N S1780 & Below				
	6602362	AR	Stacking Valve 45A-SAI-DOCA-1BA-2876 S/N S1781 & Above				
43	6602241	AR	Hose End, 0.19 Hose x 0.12MPT,ST				
44	6309255	AR	Fuel Hose, 0.19 ID				
45	6001005	AR	Clamp				
46	0120284	2	Elbow-Pipe, 0.38 x 0.25NPT				
47	0119290	AR	Nipple-Pipe, Sch 40, 0.25 x 2.50				
48	0105411	1	Cap-Pipe, 0.25NPT				
49*	3361190	2	Air Valve Box Cover - 4 Bank For Bars 16' & Under				
	3361188	2	Air Valve Box Cover - 8 Bank For Bars Over 16'				
50*	3361193	2	Air Valve Box - 4 Bank For Bars 16' & Under				
	3361192	2	Air Valve Box, 8-Bank LH				
	3361189	2	Air Valve Box, 8-Bank RH For Bars Over 16'				
51	6602246	8	Kit-End Plate				
52	3311477	1	Bracket Asm				
53*	6602243	AR	Coupler-Quick, Mini, 0.125MPT				
54*	3353302	AR	Coupling Asm-Dummy Plug				
55*	6602244	AR	Nipple-Coupler, Quick, Mini, 0.187				
56	6600305	1	Hose End-06 x 04MP,ST,LPSP				

Note: Ref#s 53 & 55 (2 for each foot of bar beyond 10')
Ref# 54 (used to plug air valves when not used)

Note: Starting with S/N S1447 - new style air valve boxes and covers will replace old style. All old style boxes and covers will be Obsolete. When ordering replacement boxes or covers of the old style the new style will be the replacement parts (As a set).

Kit#s as follows:

Ref#s 40 & 41 - use 7230274 - Center 4 Valve

Ref#s 49 & 50 - use 7230272 - RH 8 Valve

7230273 - LH 8 Valve

7230275 - Wing 4 Valve

Note: Starting with S/N S1447 - air valves will have breather-Ref# 58. Anyone with a unit S/N S1446 and below, wishing to add breather to their air valves must also purchase new style boxes and covers.

NOTE: Ref# 42 6602245 & 6602362 and assemblies including same, are NOT interchangeable. Match P/N on valve body to P/N in description prior to making selection.

This applies to all units built prior to S1781. Units S1781 and after, use valve 6602362.

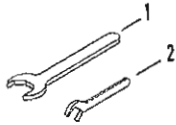
AR - AS REQUIRED

NOTE: Ref# 75-6602245 & 6602362 and assemblies including same, are NOT interchangeable. Match P/N on valve body to P/N in description prior to making selection.

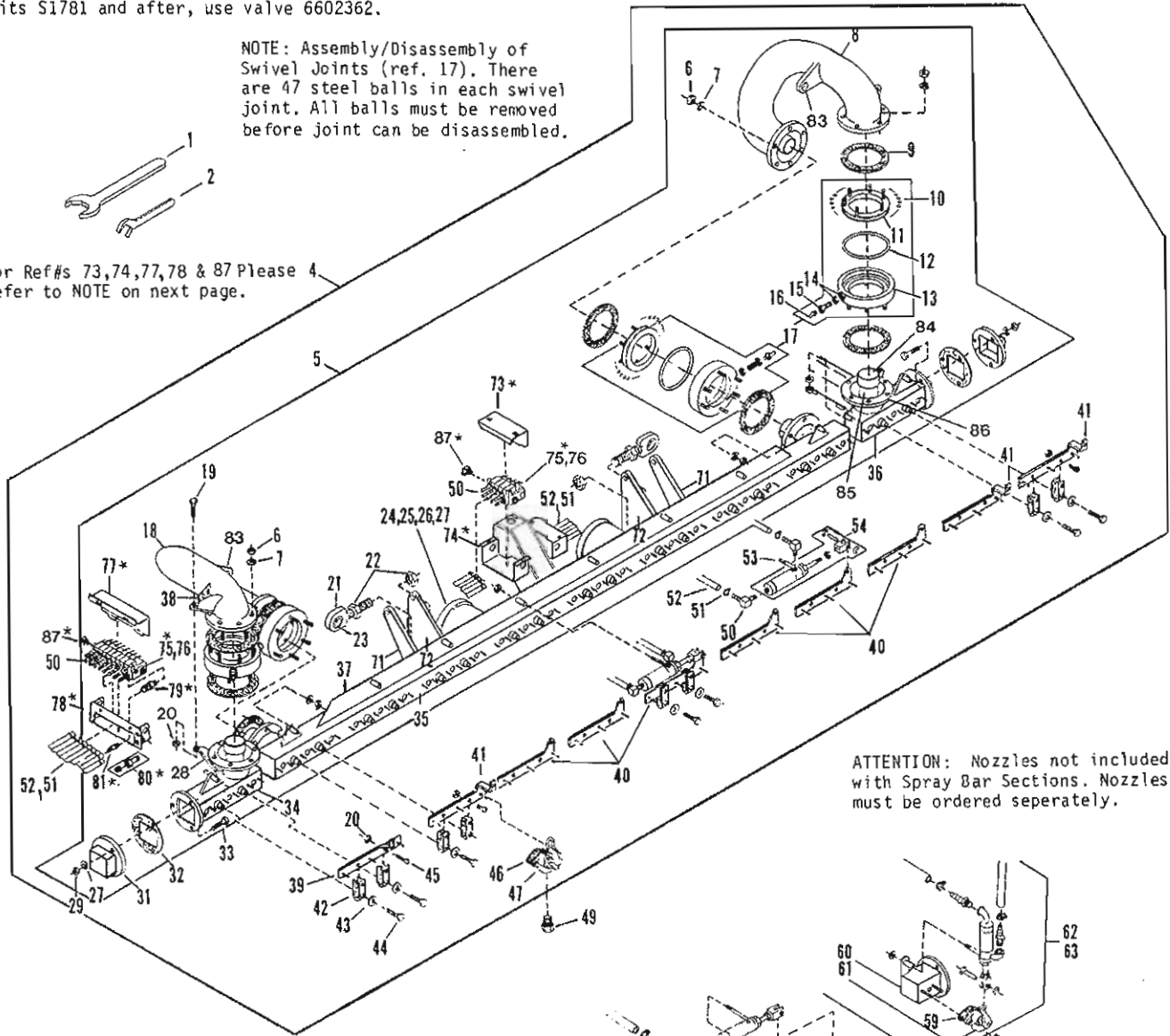
SPRAYBAR ASSEMBLY
Controlled in 1' Increments

This applies to all units built prior to S1781 Units S1781 and after, use valve 6602362.

NOTE: Assembly/Disassembly of Swivel Joints (ref. 17). There are 47 steel balls in each swivel joint. All balls must be removed before joint can be disassembled.



For Ref#s 73,74,77,78 & 87 Please refer to NOTE on next page.



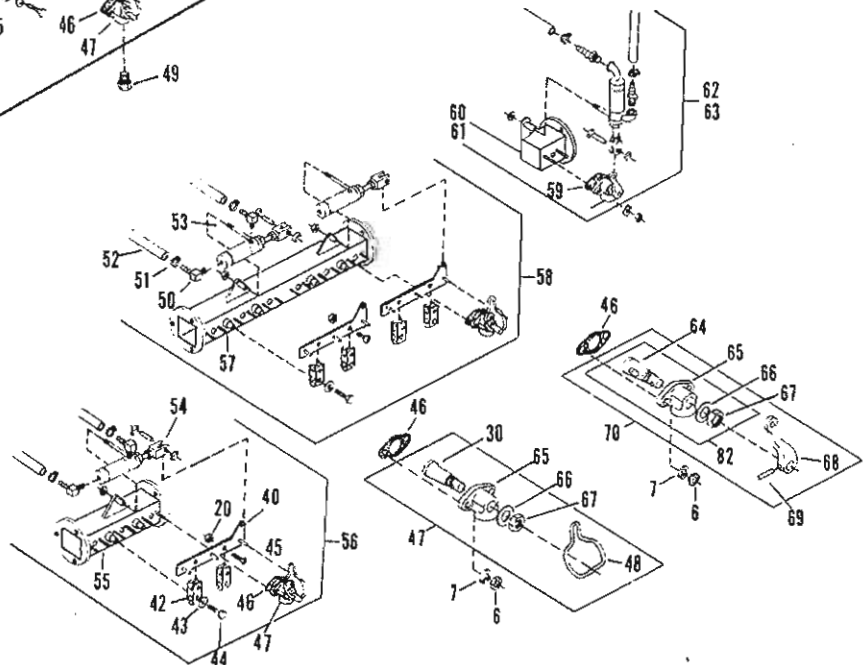
ATTENTION: Nozzles not included with Spray Bar Sections. Nozzles must be ordered separately.

*NOTE:
Refs #s 79 & 81 (2 for Each Foot of Bar Beyond 10')
Ref #80 (used to Plug Air Valves when not used)

WARNING

Do Not Handle Viton O-Ring if they have been Burned!

Viton O-Rings are Used in Suction Valves, Ball Joints and Bar Swivels.



SPRAYBAR ASSEMBLY
Controlled in 1' increments

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3380079	1	Wrench-2", Union	59	3352736	1	Valve Asm, LH Marker
2	6000376	1	Wrench-#5, Armstrong	60	3352735	1	Tube Asm-LH Marker
3				61	3352732	1	Tube Asm-RH Marker
4	7230220	1	Spbr-Mod,10',1'Inc.,W/6602245 Air Vlv	62	3352734	1	Marker Asm-LH
	7230334	1	Spbr-Mod,10',1'Inc.,W/6602362 Air Vlv	63	3352733	1	Marker Asm-RH
5	7230290	1	10' Tube Asm	64	3352729	1	Plug-Nozzle Valve, RH Marker
6	0120376	AR	Nut-Hex, 0.31NC,PO		3350454	1	Plug-Nozzle Valve W/3.5 Taper
7	0120214	AR	Washer-Lock, 0.31, Spring,PO	65	3351787	1	Body
8	3352721	1	RH Hinge Asm	66	3351620	1	Washer
9	3352615	8	Gasket	67	6100246	1	Nut-Hex, JAM, Lock, 0.5NF
10	6000290	47	0.38 Steel Balls	68	3350455	1	Lever W/3.5 Taper
11	3352605	4	Plate Asm Outlet, 3.5 Swivel	69	0443139	1	Pin-Grooved, 0.16 x 0.75,E,PD
12	6602118	4	O-Ring, 5.5" OD x 0.25	70	3352740	1	Valve & Lever Asm, LH
13	3352607	4	Plate Asm, Inlet, 3.5 Swivel		3352731	1	Valve & Lever Asm, RH
14	0272123	8	Nut-Hex, JAM, 0.44NF,PD	71	3352764	2	Cylinder Lug Bar Wing
15	2740371	4	Screw-Grease Fitting	72	3352616	2	Cylinder Lug Bar Wing
16	9411027	4	Zerk-Grease	73*	3361191	2	Cover-4 Air Valve Bank
17	7230219	4	Swivel Asm	74*	3361194	2	Base Plate-4 Air Valve Bank
18	3352722	1	LH Hinge Asm	75*	6602245	AR	Stacking Valve 45A-SA1-DDCA-2BA-M0446 (S/N S1780 & Below)
19	0121913	2	Screw-Hex, 0.25NC x 1.25,GR2,PD		6602362	AR	Stacking Valve 45A-SA1-ODCA-1BA-2876 (S/N S1781 & Above)
20	9413946	AR	Lock-Hex, 0.25NC,EA,PD	76	6602246	8	Kit-End Plate
21	3352591	2	Rod End Asm	77*	3361190	2	Air Valve Box Cover-Wing 4 Bank (For Bars 16' & Under)
22	0426899	4	Hex Nut 1", JAM		3361188	2	Air Valve Box Cover-8 Bank (For Bars Over 16')
23	6420194	2	Bushing-DU, 1 x 1.12 x 1	78*	3361193	2	Air Valve Box-Wing 4 Bank (For Bars 16' & Under)
24	3352610	2	Ball Case		3361192	2	Air Valve Box-8 Bank LH
25	3352614	2	Gasket-Ball Nut		3361189	2	Air Valve Box-8 Bank RH (For Bars Over 16')
26	0426370	8	0.38NC x 1" Allen Head Bolt	79*	6602243	AR	Coupler-Quick, Mini, 0.12MPT
27	0120382	14	Washer-Lock, 0.38, Spring,PD	80*	3353302	AR	Coupling Asm-Dummy Plug
28	3352260	2	Brace Relieving	81*	6602244	AR	Nipple-Coupler, Quick, Mini, 0.19
29	0120377	6	Hex Nut, 0.38NC,PO	82	3352730	1	Valve Asm, RH Marker
30	3352524	1	Plug-Nozzle Valve	83	3352387	2	Lug Asm
31	3352624	2	End Cap Asm	84	3352245	1	Adapter-Inner Tube
32	3352592	2	Gasket	85	3352595	1	Tube-7.38 Bevel
33	0180124	6	Screw-Hex, 0.38NC x 1.25,GR5,PD	86	3352810	1	Flange & Transition Asm
34	3352698	1	Tube Asm, LH-1' Stub	87*	6602433	8	Breather-Air, 0.25NPT
35	7230271	1	Tube Weld-8', Center				
36	3352695	1	Tube Asm RH-1' Stub				
37	3352761	1	Cylinder Support Weldment				
38	3361085	2	Mercury Switch Bracket				
39	3352753	1	Buss Bar Asm-End				
40	3352754	6	Buss Bar Asm				
41	3352581	3	Buss Bar Asm-RT Hinge Section				
42	3350324	20	Guide Lever Asm in Conn/W Detach Lvr				
43	0120388	20	Washer-Flat, 0.38				
44	0122181	20	Screw-Hex, 0.38NC x 2.00, GR2,PD				
45	0133046	18	Screw-Mach, RDSL, D.25NCx 0.88,PO				
46	3350316	30	Gasket-Nozzle Valve				
47	3352743	30	Flip Valve Asm				
48	3352483	AR	Lever-Flip, Formed				
49	3351013	AR	Nozzle-0.06				
	3351014	AR	Nozzle-0.19				
	3351008	AR	Nozzle-0.25				
	3351009	AR	Nozzle-0.31				
	3351015	AR	Nozzle-0.093				
	3352368	AR	Nozzle-0.25 Bore				
	3351010	AR	Nozzle-0.469				
	3352204	AR	Nozzle-V Type, Nominal 5.0 GPM				
	3352205	AR	Nozzle-V Type, Nominal 3.5 GPM				
	3352210	AR	End Nozzle Asm-3352205				
50	6602242	AR	Hose End-0.19 Hose x 0.12MPT,90				
	6602241	AR	Hose End-0.19 Hose x 0.12MPT,ST				
51	6001005	AR	Clamp-Hose, Screw Type, M5				
52	6309255	AR	Hose-Fuel, 0.19 ID				
53	6100280	10	Bolt-Eye, 0.31 x 2.5,PN				
54	6601768	10	Cylinder-Air, 1.06 x 2				
	7420242	10	Kit-Rod Clevis Pin, E Ring-Nut				
55	3352693	AR	Tube Asm-1'				
56	7230222	AR	Section-1', Add On, W/6602245 Air Vlv				
	7230335	AR	Section-1', Add On, W/6602362 Air Vlv				
	7230231	AR	Section-1', Repl., W/O Air Vlv				
	3352697	AR	Tube-2'				
57	7230223	AR	Section-2', Add On, W/6602245 Air Vlv				
	7230336	AR	Section-2', Add On, W/6602362 Air Vlv				
58	7230230	AR	Section-2', Repl., W/O Air Vlv				

Note: Ref#s 79 & 81 (2 for each foot of bar beyond 10')
Ref# 80 (Used to plug air valves when not used)

Note: Starting with S/N S1447 - new style air valve boxes and covers will replace old style. All old style boxes and covers will be Obsolete. When ordering replacement boxes or covers of the old style the new style will be the replacement parts (As a set).

Kit#s as follows:

Ref#s 73 & 74 - use 7230274 - Center 4 Valve
Ref#s 77 & 78 - use 7230272 - RH 8 Valve
7230273 - LH 8 Valve
7230275 - Wing 4 Valve

Note: Starting with S/N S1447 - air valves will have breather-Ref# 87. Anyone with a unit S/N S1446 and below, wishing to add breather to their air valves must also purchase new style boxes and covers.

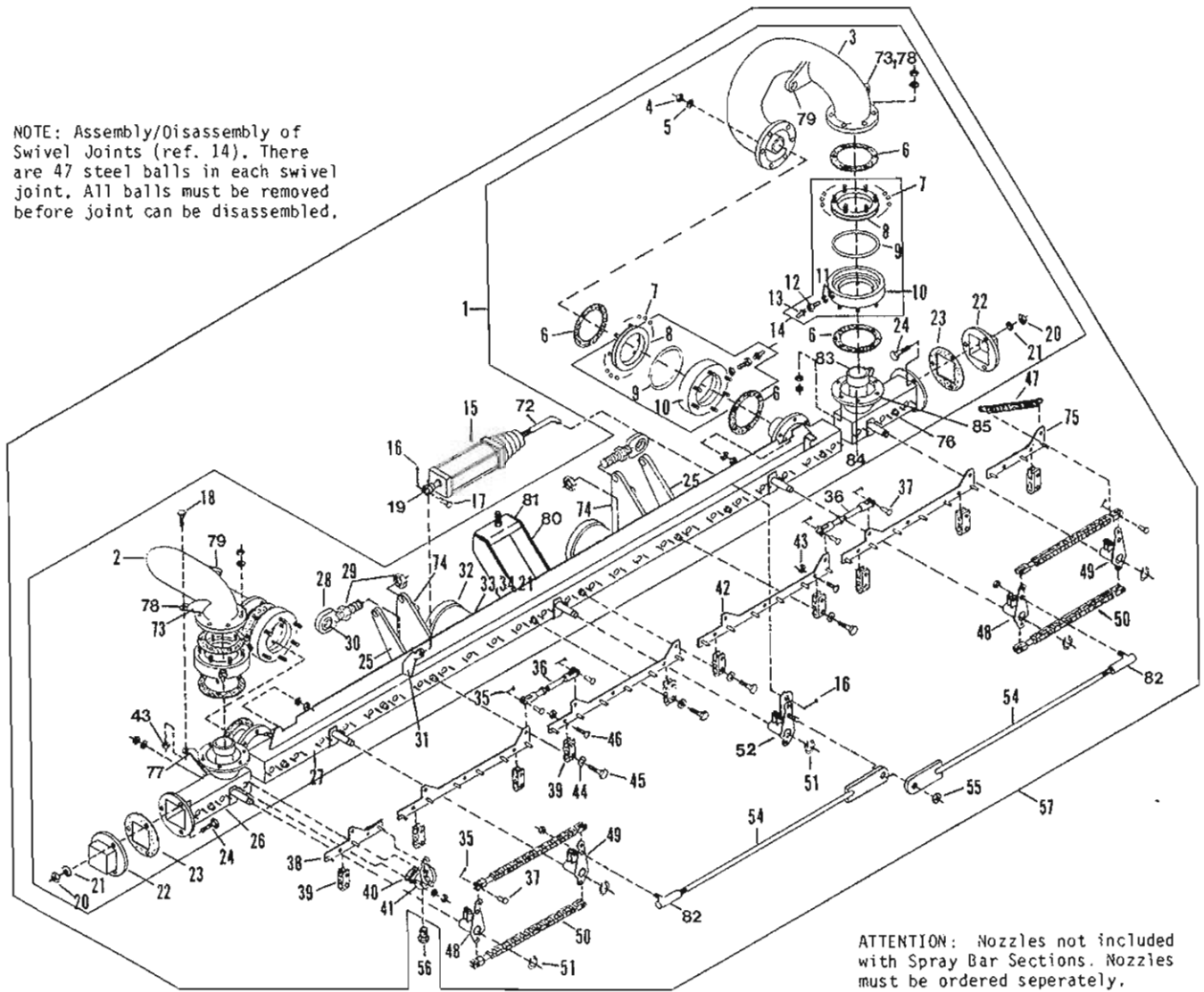
NOTE: Ref# 75 6602245 & 6602362 and assemblies including same, are NOT interchangeable. Match P/N on valve body to P/N in description prior to making selection.

This applies to all units built prior to S1781. Units S1781 and after, use valve 6602362.

AR - AS REQUIRED

SPRAYBAR - GANG ON/OFF

NOTE: Assembly/Disassembly of Swivel Joints (ref. 14). There are 47 steel balls in each swivel joint. All balls must be removed before joint can be disassembled.

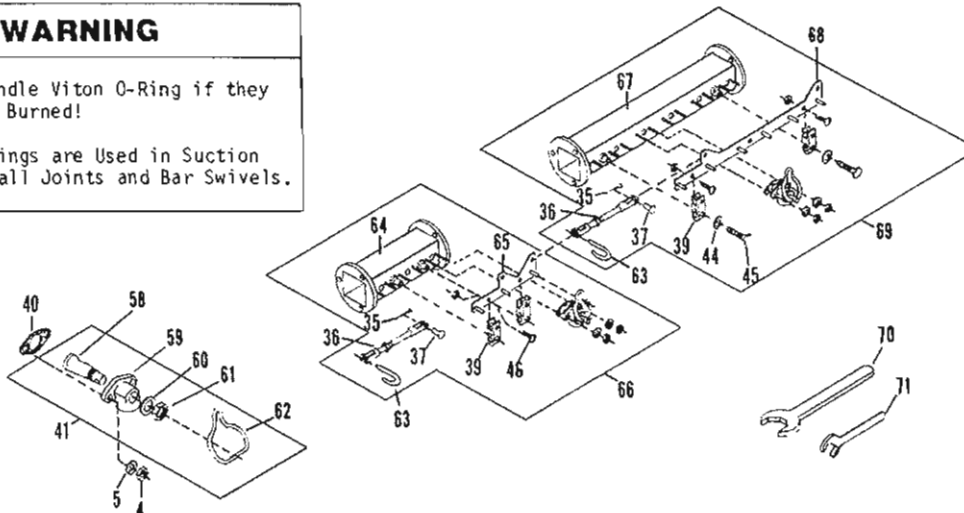


ATTENTION: Nozzles not included with Spray Bar Sections. Nozzles must be ordered separately.

WARNING

Do Not Handle Viton O-Ring if they have been Burned!

Viton O-Rings are Used in Suction Valves, Ball Joints and Bar Swivels.



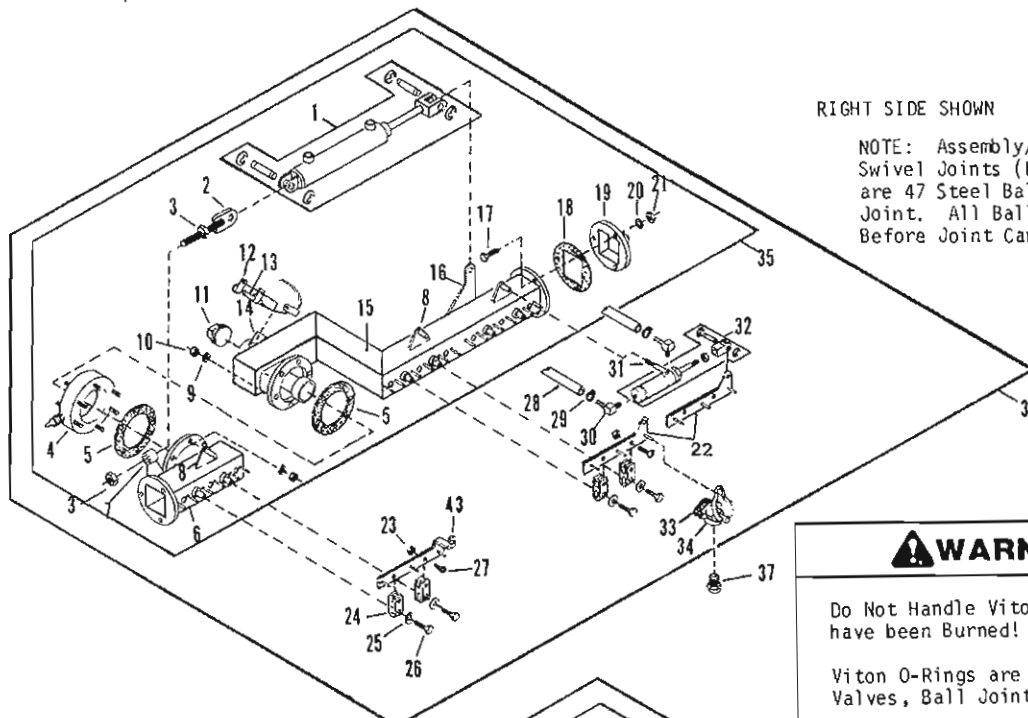
SPRAYBAR - GANG ON/OFF

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3352723	1	Weld Asm-10'	65	3352573	AR	Control Bar Asm
2	3352722	1	LH Hinge Asm	66	7230224	AR	Bar Ext.-1'
3	3352721	1	RH Hinge Asm	67	3352741	AR	Tube Asm-2'
4	0120376	AR	Nut-Hex, 0.31NC,PD	68	3352588	AR	Bar Asm
5	0120214	AR	Washer-Lock, 0.31, Spring,PD	69	7230225	AR	Bar Ext.-2'
6	3352615	8	Gasket	70	3380079	1	Wrench-2", Union
7	6000290	47	0.38 Steel Balls	71	6000376	1	Wrench-#5, Armstrong
8	3352605	4	Plate Asm Outlet, 3.5 Swivel	72	3320411	1	Connecting Link
9	6602118	4	O-Ring 5.5" 00 x 0.25	73	3352756	2	Gusset
10	3352607	4	Plate Asm Inlet, 3.5 Swivel	74	3352616	2	Cylinder Lug
11	0272123	8	Nut-Hex, JAM, 0.44NF,PD	75	3352799	1	Valve Control Bar Asm-1'
12	2740371	4	Screw-Grease Fitting	76	3352726	1	Stub Wing Asm-1', RH
13	9411027	4	Zerk-Grease	77	3352260	2	Relieving Brace
14	7230219	2	Swivel Asm	78	3352685	2	Relieving Bracket
15	3360795	1	Cylinder Asm	79	3352387	2	Lug Asm
	7420220	1	Repair Kit	80	3352617	2	Gusset
16	0137185	1	Pin-Cotter, 0.12 x 1.00,PD	81	3352618	1	Bracket
17	6600295	1	Pin-Clevis, 0.43 x 1.19	82	6100126	2	Balljoint-0.44NC
18	0121913	2	Screw-Hex, 0.25NC x 1.25,GR2,PD	83	3352245	1	Adapter
19	6600296	1	Yoke	84	3352595	1	Tube-Weivel, 7.38 Bevel
20	0120377	6	Nut-Hex, 0.38NC,PD	85	3352810	1	Flange & Transition Asm
21	0120382	14	Washer-Lock, 0.38, Spring,PD				
22	3352624	2	End Cap Asm				
23	3352592	2	Gasket				
24	0180124	6	Screw-Hex, 0.38NC x 1.25,GR5,PD				
25	3352764	2	Cylinder Lug				
26	3352727	1	1' LH Stub				
27	3352725	1	Tube Weldment-8' Center				
28	3352591	2	Rod End Asm				
29	0426899	4	Hex-Nut, 1' JAM				
30	6420194	2	Bushing-OU, 1 x 1.12 x 1				
31	3352715	1	Bracket				
32	3352610	2	Ball Case				
33	3352614	2	Gasket				
34	0426370	8	0.38NC x 1" Allen Hd Bolt				
35	0103376	13	Pin-Cotter, 0.09 x 1.50,PD				
36	3350567	2	Link Asm-Adjusting				
37	6000397	13	Rivet-RdHd, 0.25 x 0.88, Drilled				
38	3352758	1	Valve Control Bar Asm, 1' Section				
39	3350324	10	Guide Lever Asm				
40	3350316	30	Gasket				
41	3352743	30	Flip Valve Asm				
42	3352750	4	Bar Asm				
43	9413946	12	Lock Hex-Lock, 0.25NC,EA,PD				
44	0120388	10	Washer-Flat, 0.38				
45	0122181	10	Screw-Hex, 0.38NC x 2.00,GR2,PD				
46	0133046	10	Screw-Mach, RDSL, 0.25NC x 0.88,PD				
47	6001146	1	Spring-Ext., 0.75 OD x 4.00				
48	3352812	2	Toggle Asm-RT				
49	3352811	2	Toggle Asm-LT				
50	3352476	4	Chain Asm				
51	6000571	5	Retaining Ring				
52	3352821	1	Toggle Asm				
53							
54	3352466	2	Rod Asm				
55	9413947	1	Hex Nut-Lock, 0.44NC,EA,PD				
56	3351013	AR	Nozzle-0.06				
	3351014	AR	" -0.19				
	3351008	AR	" -0.25				
	3351009	AR	" -0.31				
	3351015	AR	" -0.09				
	3352368	AR	" -0.25 Bore				
	3351010	AR	" -0.469				
	3352204	AR	" -V Type, Nominal 5.0 GPM				
	3352205	AR	" -V Type, Nominal 3.5 GPM				
	3352210	AR	" -End Nozzle Asm-3352205				
57	3352724	1	Spraybar Asm-10' Center				
58	3352524	1	Plug				
59	3351787	1	Body				
60	3351620	1	Washer				
61	6100246	1	Hex Nut, JAM, Lock, 0.50NF				
62	3352483	1	Flip Lever				
63	3350708	AR	Pull Pin				
64	3352728	AR	Tube Asm-1'				

ATTENTION: Nozzles not included with Spray Bar Sections. Nozzles must be ordered seperately.

AR - AS REQUIRED

OPTIONAL SPRAYBAR MULTIPLE FOLDING WINGS



RIGHT SIDE SHOWN

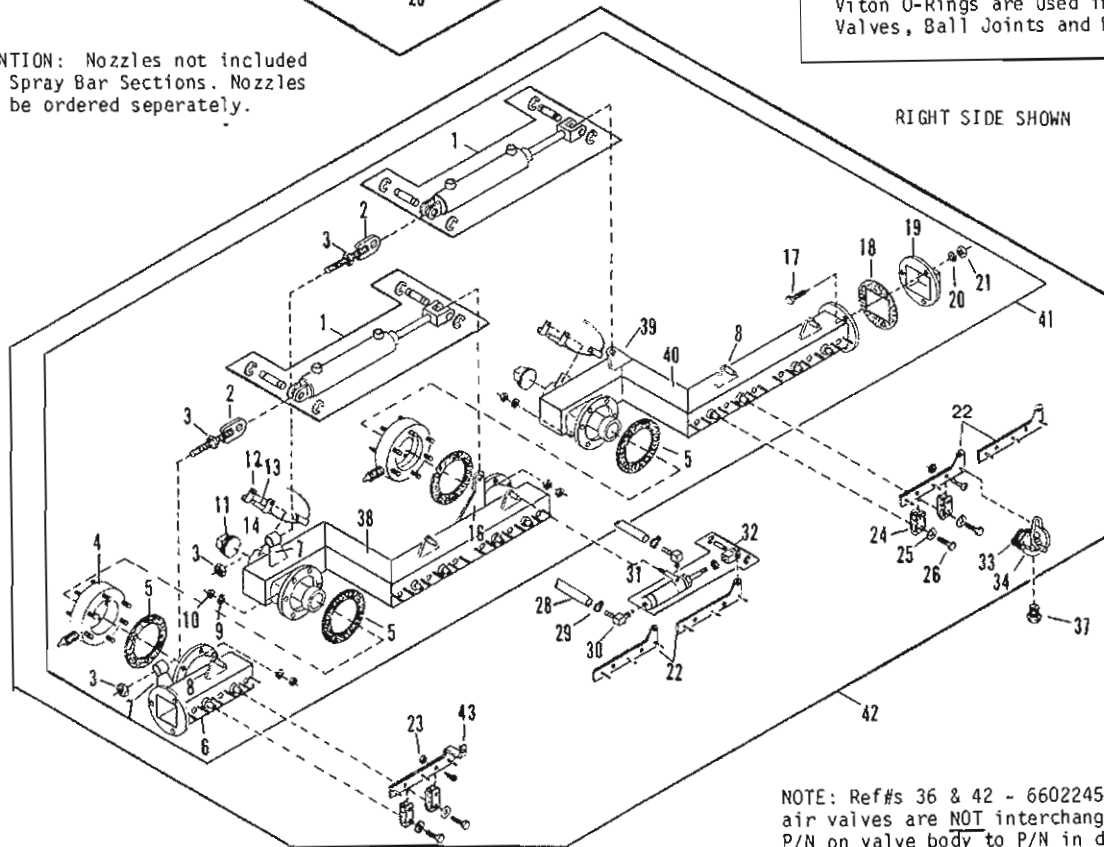
NOTE: Assembly/Disassembly of Swivel Joints (Ref. 4). There are 47 Steel Balls in Each Swivel Joint. All Balls Must Be Removed Before Joint Can Be Disassembled.

WARNING

Do Not Handle Viton O-Ring if they have been Burned!

Viton O-Rings are Used in Suction Valves, Ball Joints and Bar Swivels.

ATTENTION: Nozzles not included with Spray Bar Sections. Nozzles must be ordered separately.



RIGHT SIDE SHOWN

NOTE: Ref#s 36 & 42 - 6602245 & 6602362 air valves are NOT interchangeable. Match P/N on valve body to P/N in description, prior to making selection. This applies to all units prior to S1781. Units S1781 and after use valve 6602362.

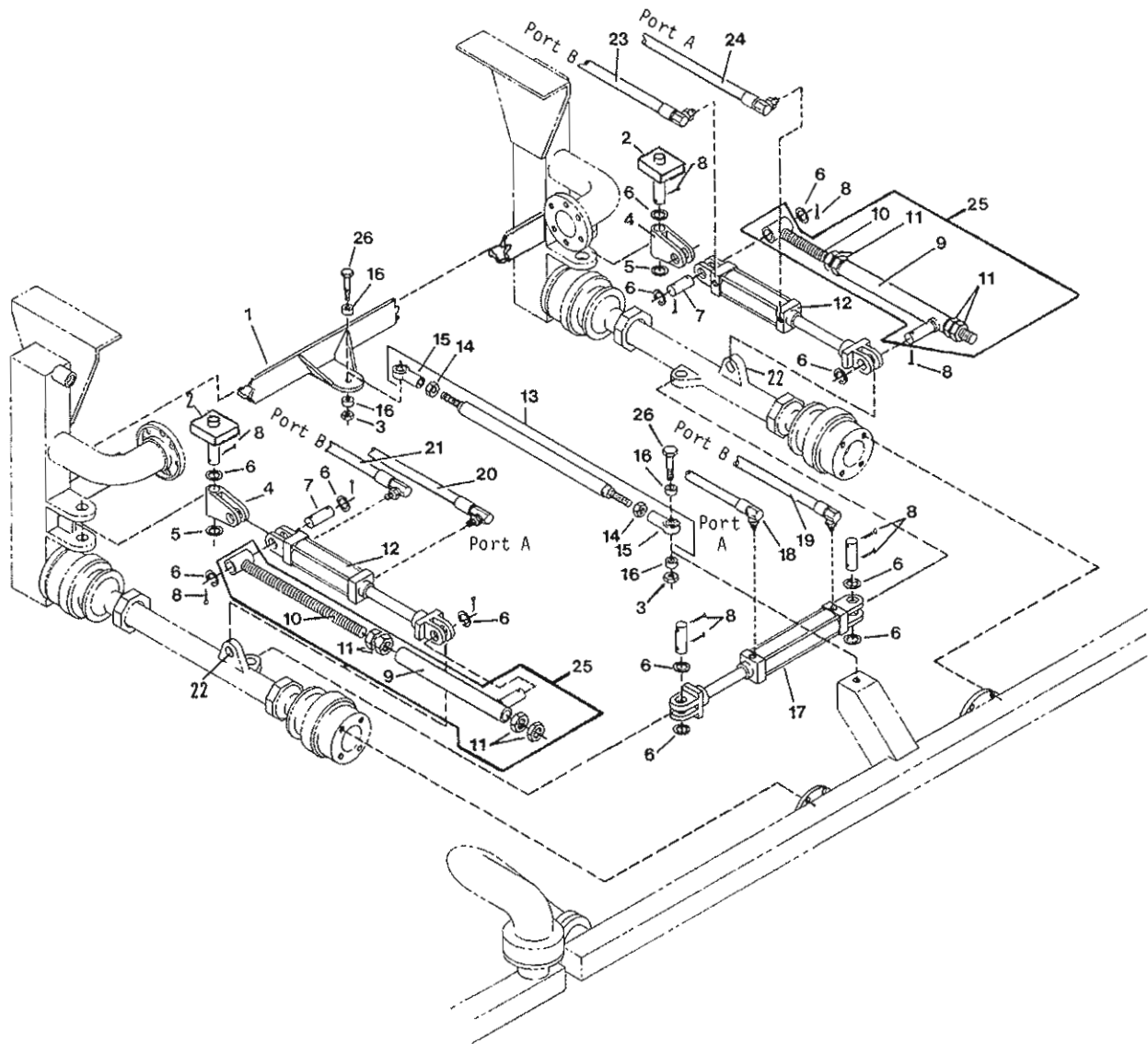
Please refer to Spraybar Assembly on page 21.

OPTIONAL SPRAYBAR MULTIPLE FOLDING WINGS

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6602011	AR	Cylinder Asm-Wing Fold				
	7420232	AR	Seal Kit-Wing Fold Cylinder				
2	3352627	AR	Cyl Mount Asm-Rod Eye				
3	0426897	AR	Nut-Hex, Jam, 0.75NC,PO				
4	7230219	AR	Swivel Asm, Bar Hinge Section Mod				Note: For Refs 36.& 42 Please Specify Rt. or Lt.
5	3352615	8	Gasket Spbr Swivel				
6	3352649	1	Stub Wing Asm-1' Rt.				
	3352646	1	Stub Wing Asm-1' Lt.				
7	3352622	AR	Mount Asm-Cyl Rear Inner Wing				
8	3352265	AR	Lug Asm-Cyl Support, Spbr				
9	0120214	AR	Washer-Lock, 0.31, Sp,PD				
10	0120376	AR	Nut-Hex, 0.31NC,PO				
11	0219309	AR	Plug-Pipe, 2"				
12	6000057	AR	Clamp,0.50, Rub. Tube				
13	3370165	AR	Switch Asm, Mercury				
14	3360868	AR	8rkt-Mtg, Mercury Switch				
15	3352647	1	Outer Wing Asm-2' Rt.				
	3352644	1	Outer Wing Asm-2' Lt.				
16	3352359	AR	Mt-Cyl Clevis, Middle Wing				
17	0180126	AR	Screw-Hex, 0.38NC x 1.5GR5				
18	3352592	1	Flange Gasket Spbr				
19	3352624	1	End Cap Asm-Spbr				
20	0120382	3	Washer-Lock, 0.38, Sp,PO				
21	0120377	3	Nut-Hex, 0.38NC,PO				
22	3352754	AR	Buss Bar Asm-Spbr,Mod				
23	9413946	AR	Lock-Hex, 0.25NC,EA,PD				
24	3350324	AR	Guide Lever Asm In Conn. W/Detach Lr				
25	0120388	AR	Washer-Flat, 0.38				
26	0122181	AR	Screw-Hex, 0.38NC x 2.00, GR2,PD				
27	0133046	AR	Screw-Mach, RDSL, 0.25NC x 0.88.PO				
28	6309255	AR	Hose-Fuel, 0.19 ID				
29	6001005	AR	Clamp-Hose, 5screw Type, M5				
30	6602242	AR	Hose End-3/16 Hose, 1/8 MPT, 90				
	6602241	AR	Hose End-3/16 Hose x 1/8 MPT, ST				
31	6100260	AR	Bolt-Eye, 0.31 x 2.5,PN				
32	6601768	AR	Cyl-Air, 1.06 x 2				
	7420242	AR	Kit-Rod Clevis & Pin, E Ring & Nut (Included in Ref #32)				
33	3350316	AR	Gasket-Nozzle Vlv				
34	3352743	AR	Flip Vlv Asm				
35	3352710	1	Spbr Ext-BiFold 10-16, 1' Inc. (Refs. 2,3, & 9-13 not included)				
36	7230227	1	Ext.-BiFo,10-16',1'Inc.,W/6602245				
	7230338	1	Ext.-BiFo,10-16',1'Inc.,W/6602362				
37	3351013	AR	Nozzle - 1/16, Spbr				
	3351014	AR	Nozzle - 3/16, Spbr				
	3351008	AR	Nozzle - 1/4, Spbr				
	3351009	AR	Nozzle - 5/16, Spbr				
	3351015	AR	Nozzle - 0.093, Spbr				
	3352368	AR	Nozzle - 0.25 Bore				
	3351010	AR	Nozzle - 0.469, Spbr				
	3352204	AR	Nozzle - V Type, Nominal 5.0 GPM				
	3352205	AR	Nozzle - V Type, Nominal 3.5 GPM				
	3352210	1	End Nozzle Asm-3352205				
38	3352648	1	Inner Wing Asm-2' Rt.				
	3352645	1	Inner Wing Asm-2' Lt.				
39	3352637	1	Gusset-Cyl Clevis Outer Wing				
40	3352647	1	Outer Wing Asm-2' Rt.				
	3352644	1	Outer Wing Asm-2' Lt.				
41	3352650	1	Spbr Asm-20 Ft. Mod TriFold				
42	7230226	1	Ext.-TriFo,10-20', 1' Inc.,W/6602245				
	7230237	1	Ext.-TriFo,10-20', 1' Inc.,W/6602362				
43	3352581	1	Buss Bar Asm-Rt. Hinge Section				

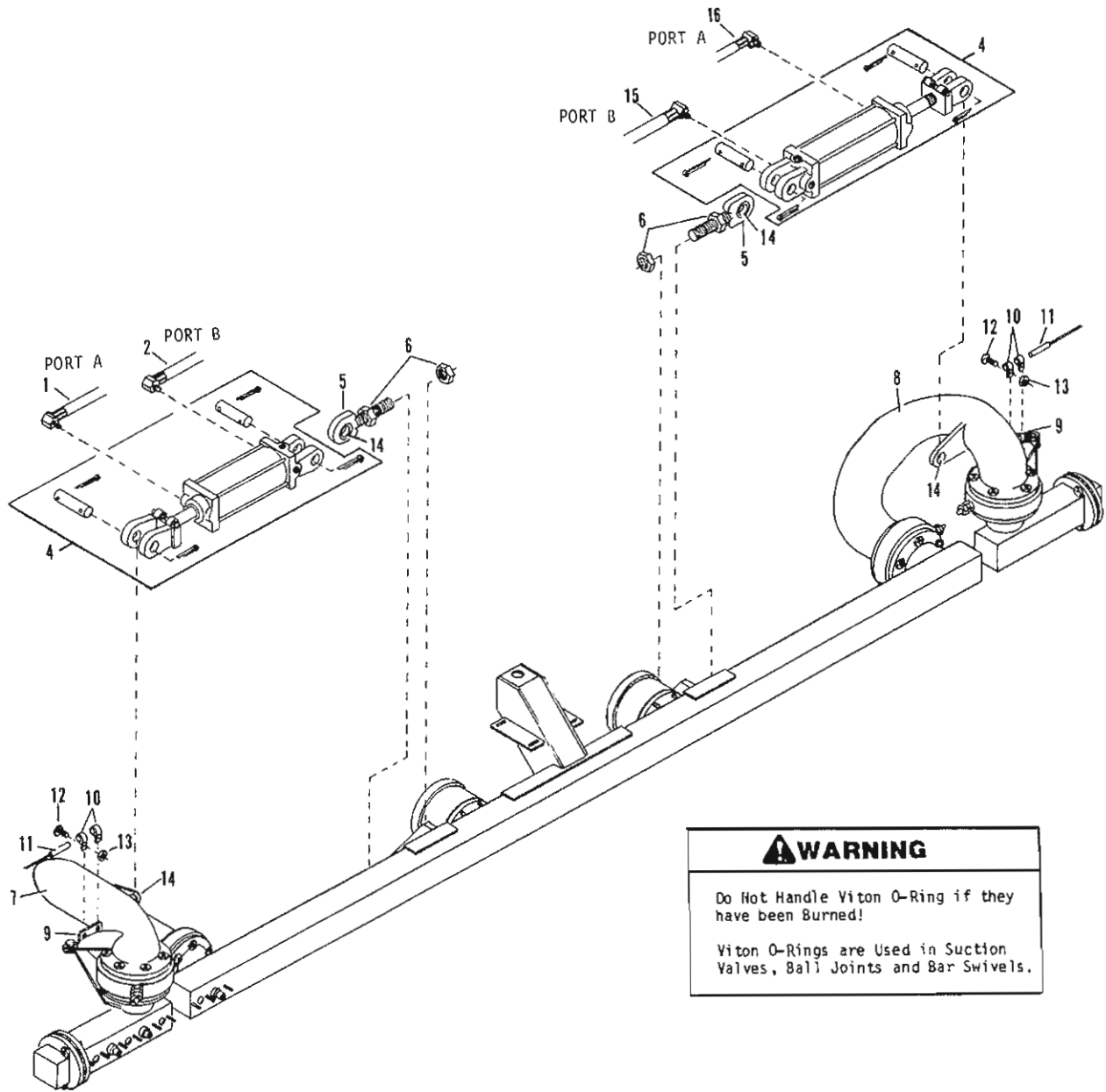
AR - AS REQUIRED

SPRAYBAR RAISE & SHIFT
HYDRAULIC



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3352672	1	Angle Asm	21	3361096	1	Hose Asm-04 x 126, 06MPX90-04FJX
2	3352795	2	Pin Asm	22	6420194	2	Bushing-OU, 1.00 x 1.12 x 1.00 Lg.
3	9413948	2	Nut-Hex, Lock, 0.62NC,EA,GRA,PO	23	3361671	1	Hose Asm-04 x 126, 06MPX90-04FJX
4	3352660	2	Lug Asm	24	3361672	1	Hose Asm-04 x 137, 06MPX90-04FJX
5	6100015	2	Washer-Brass, 0.19, 1.50 x 0.89	25	3311634	2	Lug & Screw Asm
6	3311425	12	Washer-1.00, 1.50 00	26	6001087	1	Screw-Hex, 0.62NC x 3.00 Lg.,GR8,PO
7	3311379	2	Pin				
8	0103409	12	Pin-Cotter, 0.19 x 1.50,PD				
9	3311610	2	Lug Asm				
10	3311609	2	Screw Asm				
11	0220088	8	Nut-Hex, 1.00NC,PD				
12	6601774	2	Cylinder-Hyd, 2.00 x 5.00				
	7420248	1	Seal Kit				
13	3352668	1	Rod Asm				
14	0121358	2	Nut-Hex, 0.62NF,PD				
15	6100325	2	Rod End-F, 0.62NF				
16	3341411	4	Spacer				
17	6602231	1	Cylinder-Hyd, 2.00 x 6.63				
	7420248	1	Seal Kit				
18	3361099	1	Hose Asm-04 x 161, 06MPX90-04FJX90M				
19	3361098	1	Hose Asm-04 x 151, 06MPX90-04FJX90M				
20	3361097	1	Hose Asm-04 x 137, 06MPX90-04FJX				

SPRAYBAR WING-UP - HYDRAULIC



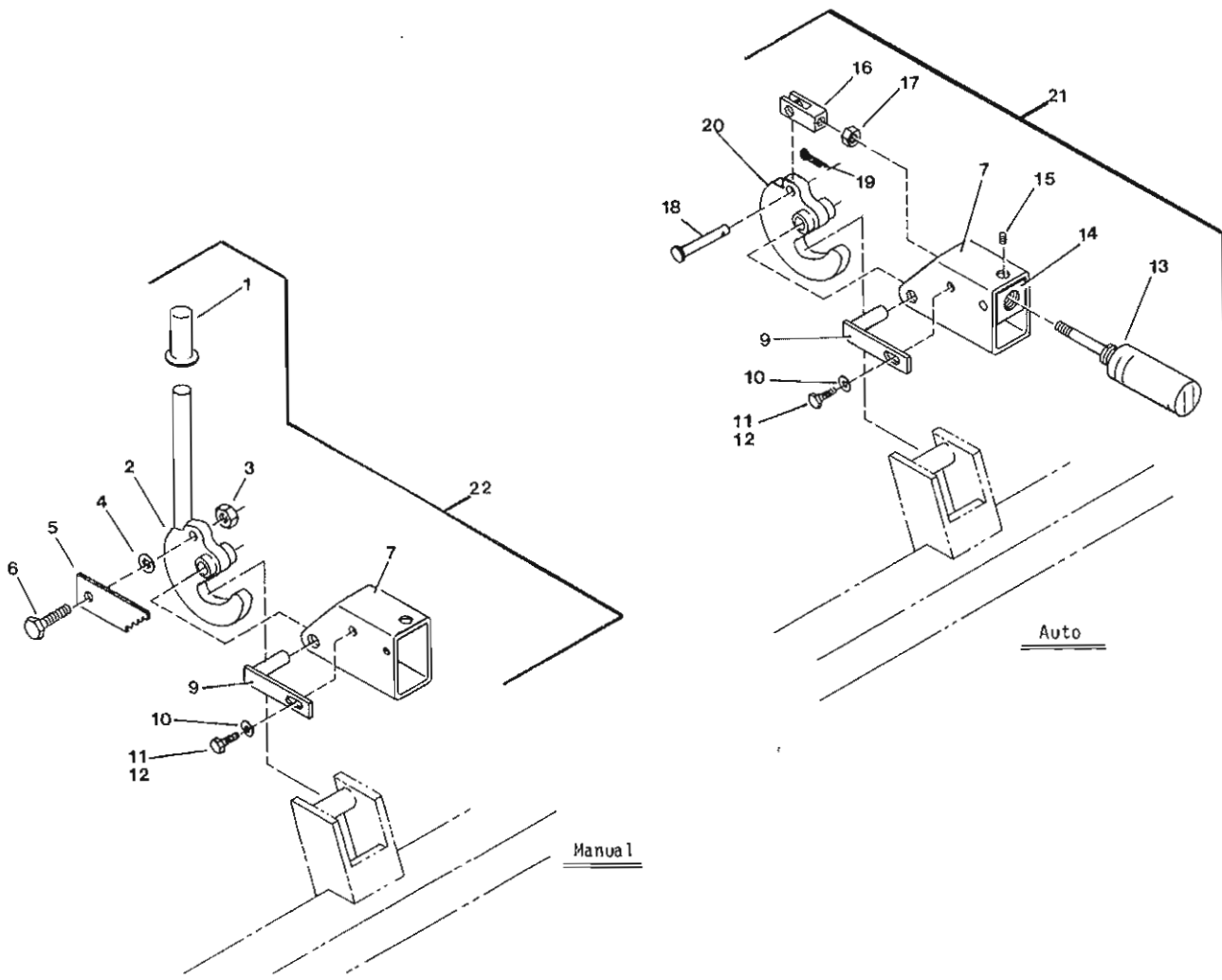
WARNING

Do Not Handle Viton O-Ring if they have been Burned!

Viton O-Rings are Used in Suction Valves, Ball Joints and Bar Swivels.

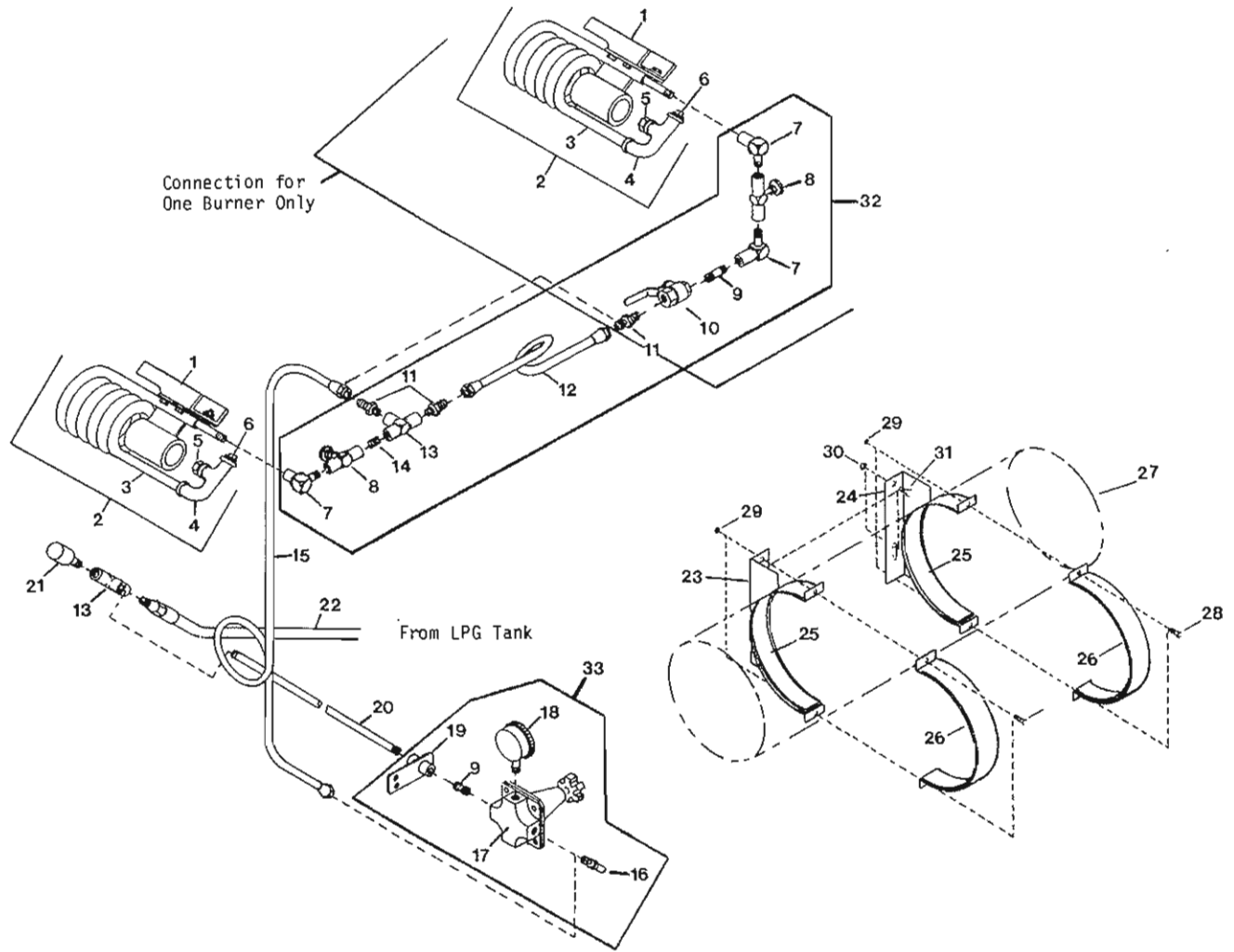
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3361094	1	Hose Asm-04 x 204, 06MPX90-04FJX90				
2	3361092	1	Hose Asm-04 x 220, 06MPX90-04FJX90M				
3							
4	6602230	2	Cylinder-Hyd, 2.0 x 10.0				
	7420230	1	Kit-Repair, Cyl 2"				
5	3352591	2	Rod End Asm-Cyl Mount				
6	0426899	4	Nut-Hex, 1" JAM				
7	3352722	1	LH Hinge Asm				
8	3352721	1	RH Hinge Asm				
9	3361085	2	Mercury Switch Bracket				
10	6000057	4	Clamp, 0.50, Rubber Tube				
11	3370165	2	Switch Asm-Mercury				
12	0121887	4	Screw-Hex, 0.25NC x 0.75 GR2,PD				
13	0120375	4	Nut-Hex, 0.25NC,PD				
14	6420194	4	Bushing-DU, 1 x 1.2 x 1 Lg.				
15	3361093	1	Hose Asm-04 x 210, 06MPX90-04FJX90M				
16	3361095	1	Hose Asm-04 x 196, 06MPX90-04FJX90				

BAR LATCH
Manual and Auto



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	4420933	2	Hand Grip	21	3380636	1	Latch Asm-Air, LH
2	3380631	2	Latch Cam Asm		3380637	1	Latch Asm-Air, RH
3	9411727	2	Nut-Hex, Lock, 0.50NC	22	3380634	1	Latch Asm, LH
4	9411417	2	Washer-Flat, 0.50NC		3380635	1	Latch Asm, RH
5	3380628	2	Lock Bar				
6	0120333	2	Screw-Hex, 0.50 X 1.75LG				
7	3380622	1	Channel-Lock, Left (shown)				
	3380623	1	Channel-Lock, Right (not shown)				
8							
9	7230320	1	Lever Asm				
10	0120386	2	Washer-Flat, 0.25				
11	0121887	2	Screw-Hex, 0.25 X 0.75, GR2				
12	9413946	2	Nut-Hex, Lock, 0.25NC				
13	6602052	2	Cylinder-Air, 2X4, Std				
14	3380625	2	Lock Block				
15	0120680	2	Screw-Sock, 0.25NC X 0.50, Cup				
16	3360805	2	Clevis-0.50NF with 0.50 Hole				
17	0120371	2	Nut-Hex, 0.50NF				
18	6000401	2	Rivet-RDHD, 0.50 x 1.62, Drilled				
19	0137185	2	Pin-Cotter, 0.12 x 1.00, PD				
20	3380689	2	Latch Cam-Air, Lock Asm, Spraybar				

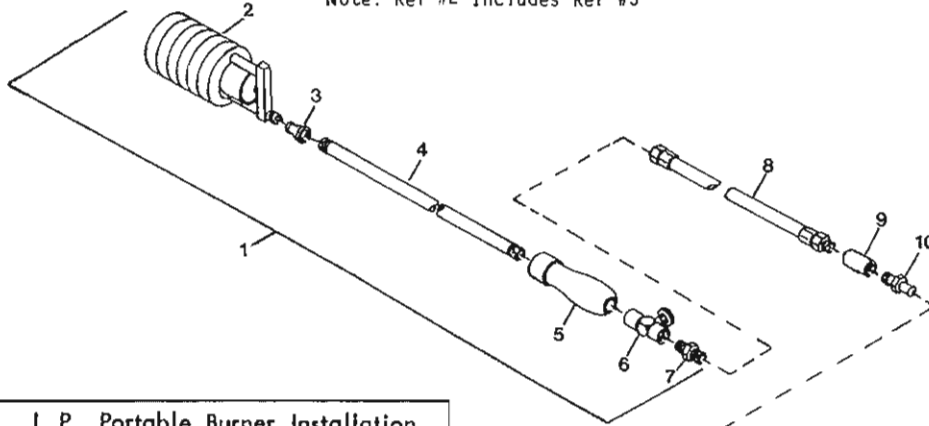
LIQUID PROPANE BURNERS - TANK SYSTEM



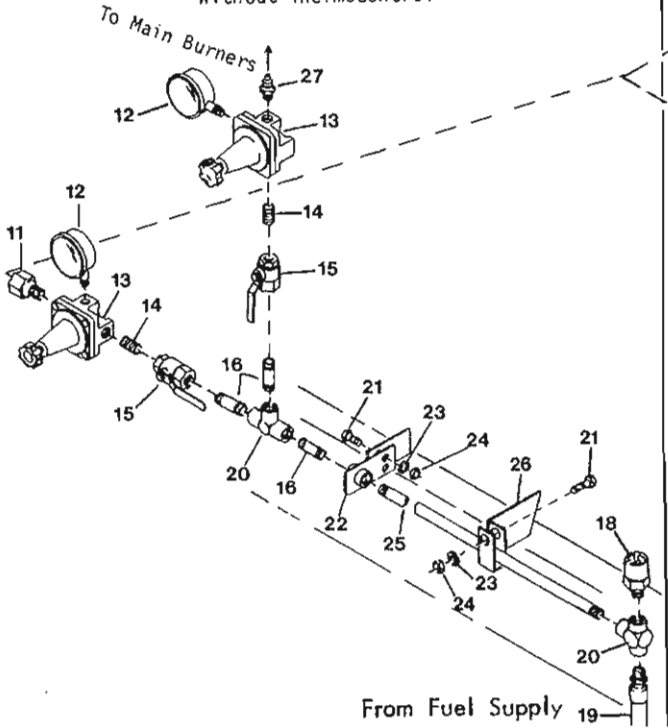
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3331870	2	Bracket Asm-Mtg., LPG Burner	23	3331034	1	Brkt Asm-Propane, Lt., 18"
2	3331073	2	Burner Asm-LPG	23	3331299	1	Brkt Asm-Propane, Lt., 22" (Includes Ref. 26)
3	3331082	2	Coil Asm-Burner LPG	24	3331035	1	Brkt Asm-Propane, Rt., 18"
4	3331036	2	Holder-Vapor Plug	24	3331300	1	Brkt Asm-Propane, Rt., 22" (Includes Ref. 26)
5	3331086	2	Nozzle-LPG Burner	25	3331301	4	Strip-Rubber, Insulation
6	0219191	2	Plug-Pipe, SqHd, 0.38 NPT,PN	26	3330293	2	Propane Tank Ring, 18"
7	0454109	3	Elbow-Auto,90,04FP-04MP,PD	26	3331296	2	Propane Tank Ring, 22"
8	6500064	2	Valve-Needle, 0.25NPTF, W/Pilot	27	6500333	1	Propane Tank-42 Gal., 18" x 42"
9	6200417	1	Nipple-PP, Sch 80, 0.25 x 1.50,PD	27	6500045	1	Propane Tank-52 Gal., 18" x 53"
10	6500366	1	Valve-Ball, 0.25	27	6500360	1	Propane Tank-52 Gal., 22" x 36"
11	0118750	3	Adapter-Auto, ST, 04MP-06MS	28	0120237	4	Screw-Hex, 0.50 x 3.00, GR2,PD
12	3331108	1	Hose Asm-Burner	29	9411727	4	Nut-Hex, Lock, 0.50NC,EA,PD
13	0454121	2	Tee-Auto, 04FP-04FP-04FP,PD	30	9416331	4	Nut-Hex, Lock, 0.75NC
14	6200292	2	Nipple-PP, Sch 80, 0.25 x 0.87,CL,PD	31	0428217	4	Screw-Hex, 0.62NC x 1.50, GR2
15	3331362	1	Tube Asm-36"	32	7720001	1	Piping Asm-83 Burner Conn.
16	0118755	1	Elbow-Auto,90, 04MP-06MS	33	3331885	1	Regulator Asm-LPG Tank & Gage
17	7720018	1	Regulator-Pressure				
18	6600196	1	Gauge-Pressure				
19	3331875	1	Brkt Asm, Fuel Line				
20	6303435	1	Pipe-0.25, Extra Heavy Wall				
21	7720014	1	Valve-Relief, LPG, 450 PSI				
22	3331076	1	Hose Asm-RH				
							AR - AS REQUIRED

LIQUID PROPANE PORTABLE BURNERS - TANK SYSTEM

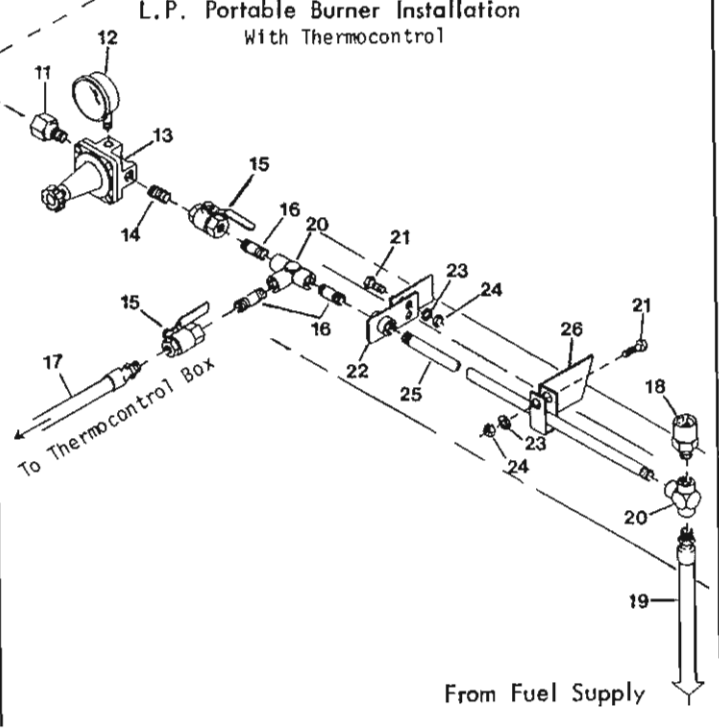
Note: Ref #2 Includes Ref #3



L.P. Portable Burner Installation Without Thermocontrol

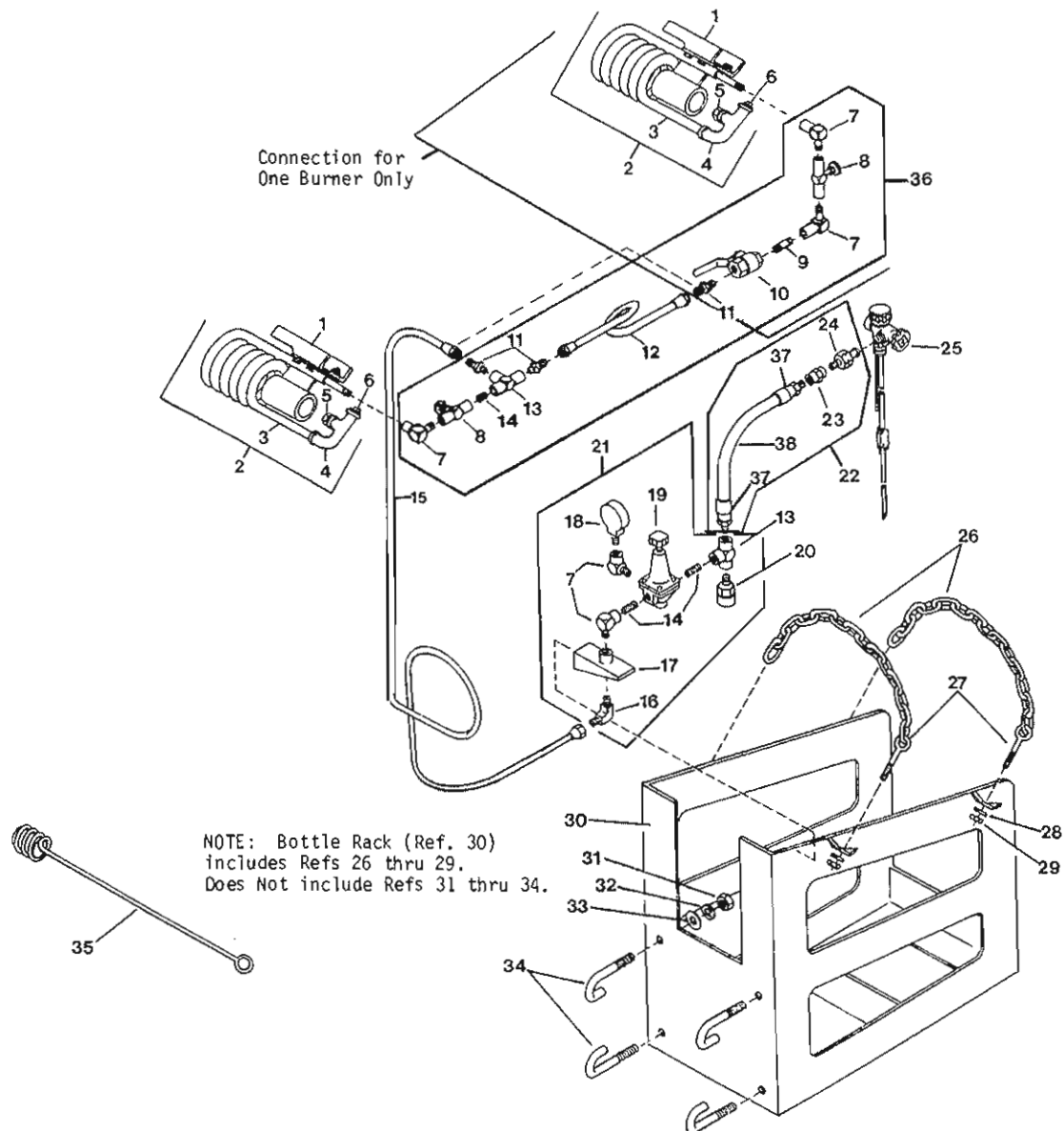


L.P. Portable Burner Installation With Thermocontrol



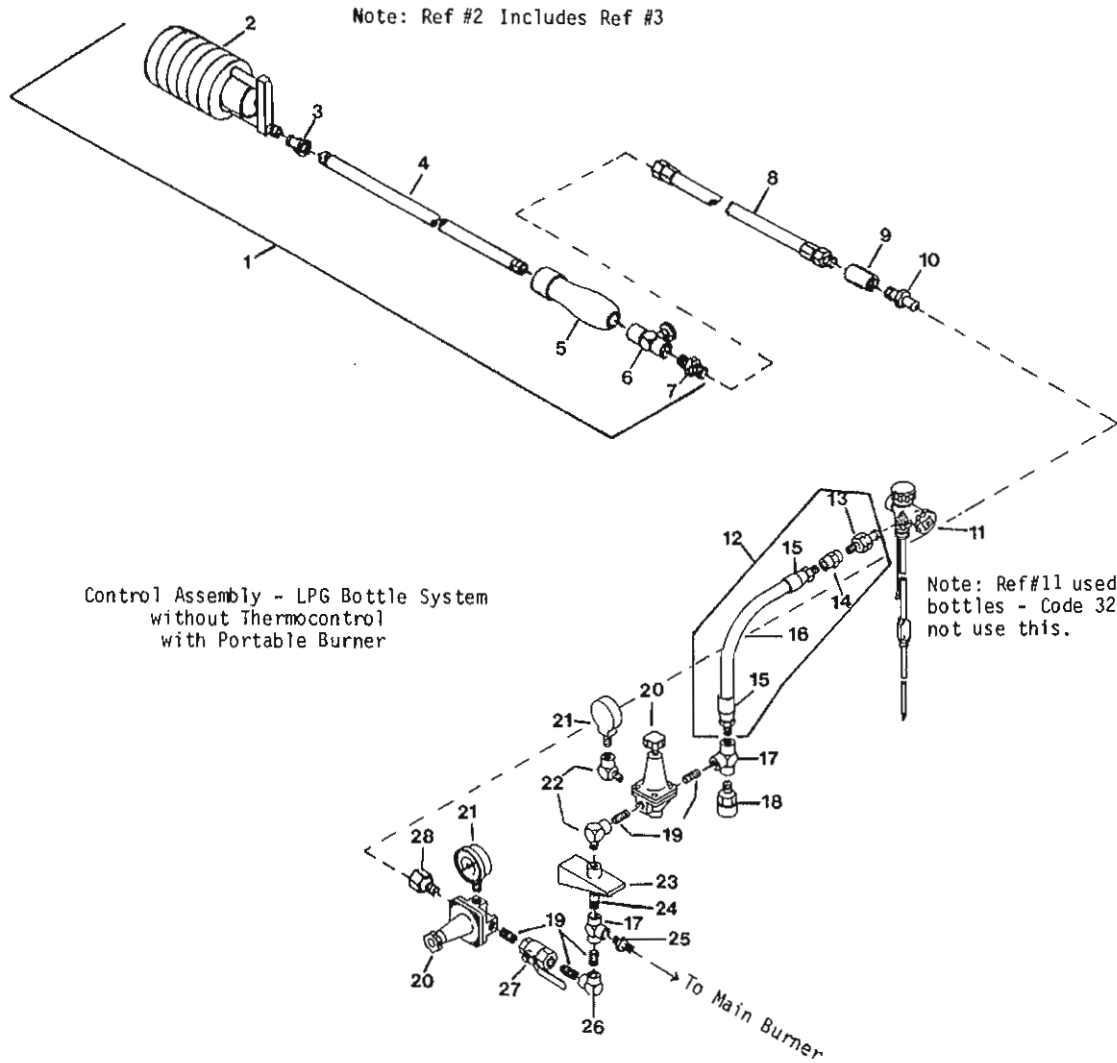
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3331899	1	Burner Asm W/O Hose	16	6200417	AR	Nipple-PP, Sch 80, 0.25 x 1.50,PD
2	6500071	1	Burner (Includes Ref #3)	17	3331886	1	Hose Asm-24" LPG
3	0105420	1	Coupling, 0.25NPT x 0.12NPT	18	7720014	1	Valve-Relief, 450 PSI LPG Hydro
4	6200251	1	Pipe-Sch 40, 0.25 x 30.00,TBE,PN	19	3331076	1	Hose Asm-Propane Tank Inst RH
5	7700025	1	Handle	20	0454121	1	Tee-Auto, 04FP-04FP-04FP,PD
6	6500064	1	Valve-Needle, 0.25NPTF, W/Pilot	21	0121887	2	Screw-Hex, 0.25NC x 0.75,GR2,PD
7	4470350	1	Nipple-Hex, 0.25 x 1.12	22	3331875	1	Brkt Asm, Fuel Line
8	6601692	1	Hose-Burner, 0.25	23	0120380	2	Washer-Lock, 0.25, Spring,PD
9	0144068	1	Coupling-Pipe, 0.25NPT,PD	24	0120375	2	Nut-Hex, 0.25NC,PD
10	6600043	1	Connector	25	6303435	1	Pipe-0.25, Extra Heavy Wall
11	6600785	1	Adp-POL x 0.25MPT	26	3330185	1	Support Asm-RT, Fuel Line
12	6600196	AR	Gauge-Pressure	27	0118750	1	Adp-Auto, St, 04MP-06MS
13	7720018	AR	Regulator-Pressure				
14	6200292	AR	Nipple-PP, Sch 80, 0.25 x 0.87CL,PD				
15	6500366	AR	Valve-Ball, 0.25				
							AR - AS REQUIRED

LPG BURNER ASSEMBLY - BOTTLE SYSTEM



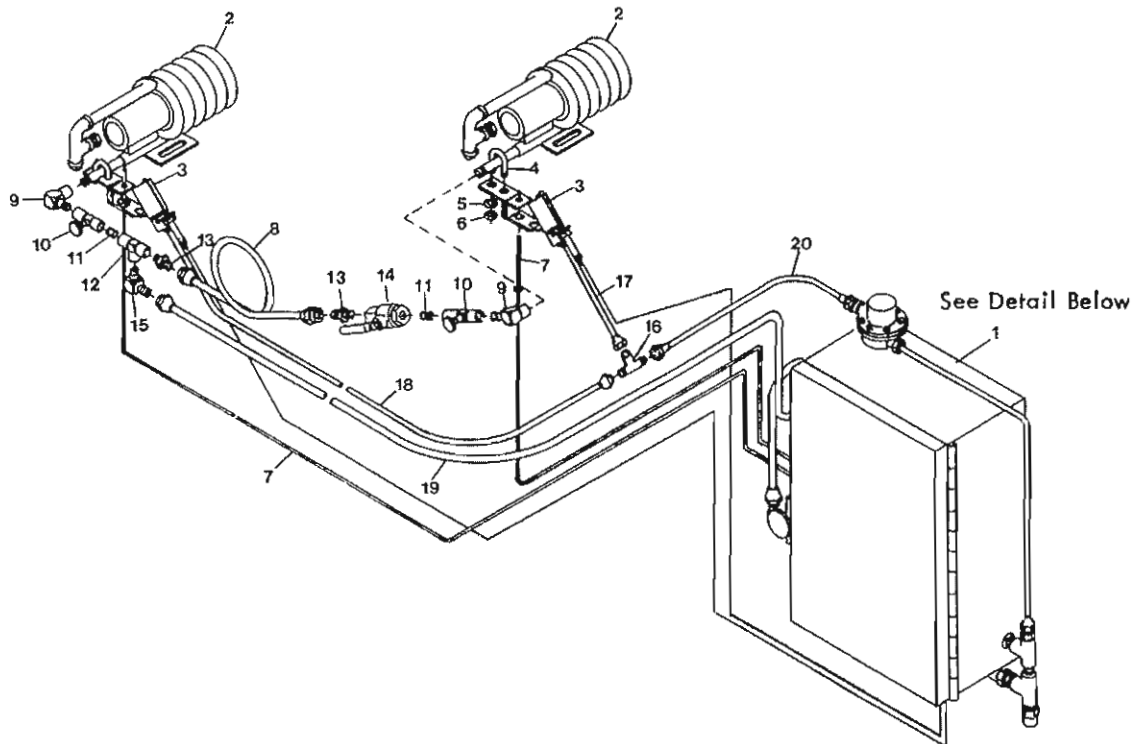
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3331870	2	Bracket Asm Mtg.	21	3331243	1	Control Asm-LPG Burners
2	3331073	2	Burner Asm LPG	22	3330976	1	Hose Asm-Propane, Bot to Reg
3	3331082	2	Coil Asm	23	0444097	1	Adapter-Auto,ST,04FP-04FP
4	3331036	2	Holder-Vapor Plug	24	6500223	1	Coupling-Swivel, LPG
5	3331086	2	Nozzle-LPG Burner	25	6500222	1	Valve-Cyl LPG,Liquid Draw
6	0219191	2	Plug-Pipe, SqHd,0.38 NPT,PN	26	3330238	2	Chain-Tank Base
7	0454109	5	Elbow-Auto,90,04FP-04MP,PO	27	3350691	2	Bolt-Eye
8	6500064	2	Valve-Needle,0.25NPTF,W/Pilot	28	0120214	2	Washer-Lock, 0.31
9	6200417	2	Nipple-PP, Sch 80,0.25 x 1.50,PD	29	0120376	2	Nut-Hex, 0.31NC
10	6500366	1	Valve-Ball, 0.25	30	3331353	1	Weldment-Tank Mounting
11	0118750	3	Adapter-Auto,ST,D4MP-06MS	31	0124589	4	Nut-Hex, 0.62NC
12	3331108	1	Hose Asm-Burner	32	0121574	4	Washer-Lock, 0.62
13	0454121	2	Tee-Auto, 04FP-04FP-04FP,PD	33	0130999	4	Washer-Flat, 0.62
14	6200292	3	Nipple-PP, Sch 80,0.25 x 0.87,CL,PD	34	3360304	4	Bolt-Hook
15	3331362	1	Tube Asm-36"	35	3330077	1	Burner Lighter
16	0118755	1	Elbow-Auto,90,04MP-06MS	36	7720001	1	Piping Asm-B3 Burner Conn.
17	3331109	1	Bracket Asm-Propane Burn Cont	37	6200366	2	Hose End-5/16 Propane-1/4NPT
18	6600196	1	Gauge-Press, 2.0 In, 0-100 PSIG	38	6600645	1	Hose-Propane,5/16 ID/FT
19	7720018	1	Regulator-Pressure				
20	7720014	1	Valve-Relief, 450 PS1, LPG Hydro				

PORTABLE BURNER
LIQUID PROPANE - BOTTLE SYSTEM

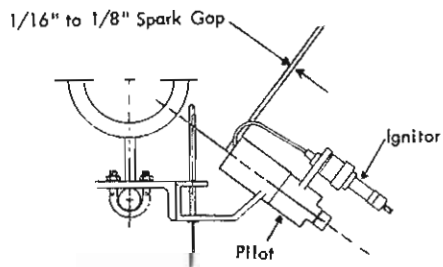


REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3331899	1	Burner Asm W/O Hose	23	3331109	1	Bracket Asm
2	6500071	1	Burner (Includes Ref #3)	24	6200417	1	Nipple-PP, Sch 80, 0.25 x 1.50
3	0105420	1	Coupling, 0.25NPT x 0.12NPT	25	0118750	1	Adapter-Auto, St, 04MP-06MS
4	6200251	1	Pipe-Sch 40, 0.25 x 30.00,TBE,PN	26	0454085	1	Elbow-Auto, 90, 04FP-04FP,PD
5	7700025	1	Handle	27	6500366	1	Valve-Ball, 0.25
6	6500064	1	Needle Valve, 0.25NPTF, w/Pilot	28	6609785	1	Adapter-POL x 0.25MPT
7	4470350	1	Nipple-Hex, 0.25 x 1.125				
8	6601692	1	Hose-Burner, 0.25				
9	0144068	1	Coupling-Pipe, 0.25NPT,PD				
10	6600043	3	Connector				
11	6500222	1	Valve-Cyl LPG, Liquid Draw				
12	3330976	1	Hose Asm-Propane, Bottle to Reg.				
13	6500223	1	Coupling-Swivel, LPG				
14	0444097	1	Adapter-Auto, St, 04FP-04FP				
15	6200366	2	Hose End-5/16 Propane-1/4NPT				
16	6500645	1	Hose Propane, 5/16 ID/FT				
17	0454121	2	Tee-Auto, 04FP-04FP-04FP,PD				
18	7720014	1	Valve-Relief, 450 PSI, LPG Hydro				
19	6200292	5	Nipple-PP, Sch 80, 0.25 x 0.87CL,PD				
20	7720018	2	Regulator-Pressure				
21	6600196	2	Gauge-Pressure, 2.0 In., 0-100 PSIG				
22	0454109	2	Elbow-Auto, 90, 04FP-04MP,PD				

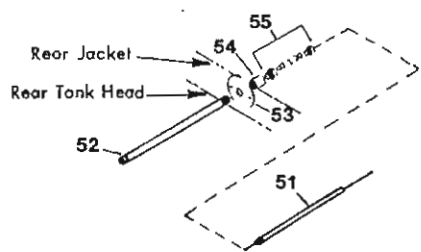
THERMOCONTROL - 12 VOLT ETNYRE L.P.G. BURNERS



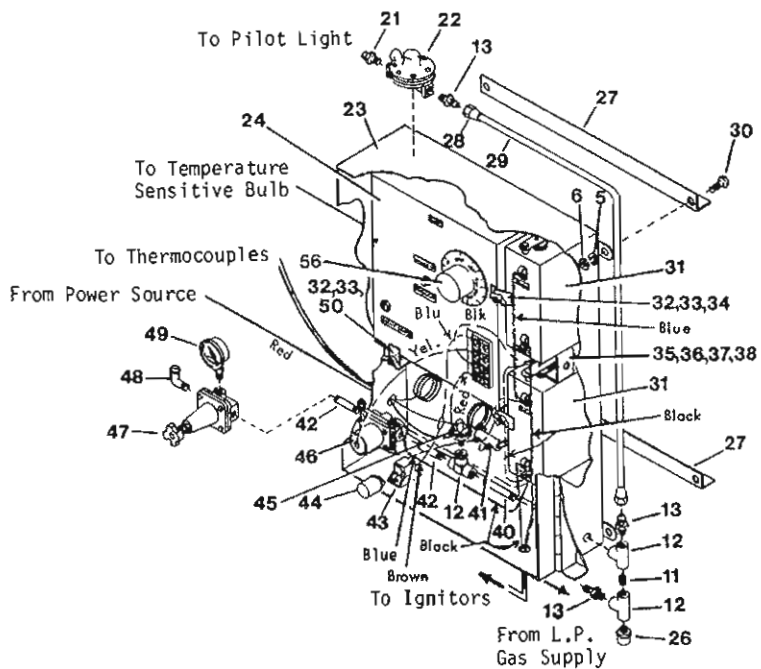
Set-up both burners as shown below
3331877



Well-Thermometer Installation



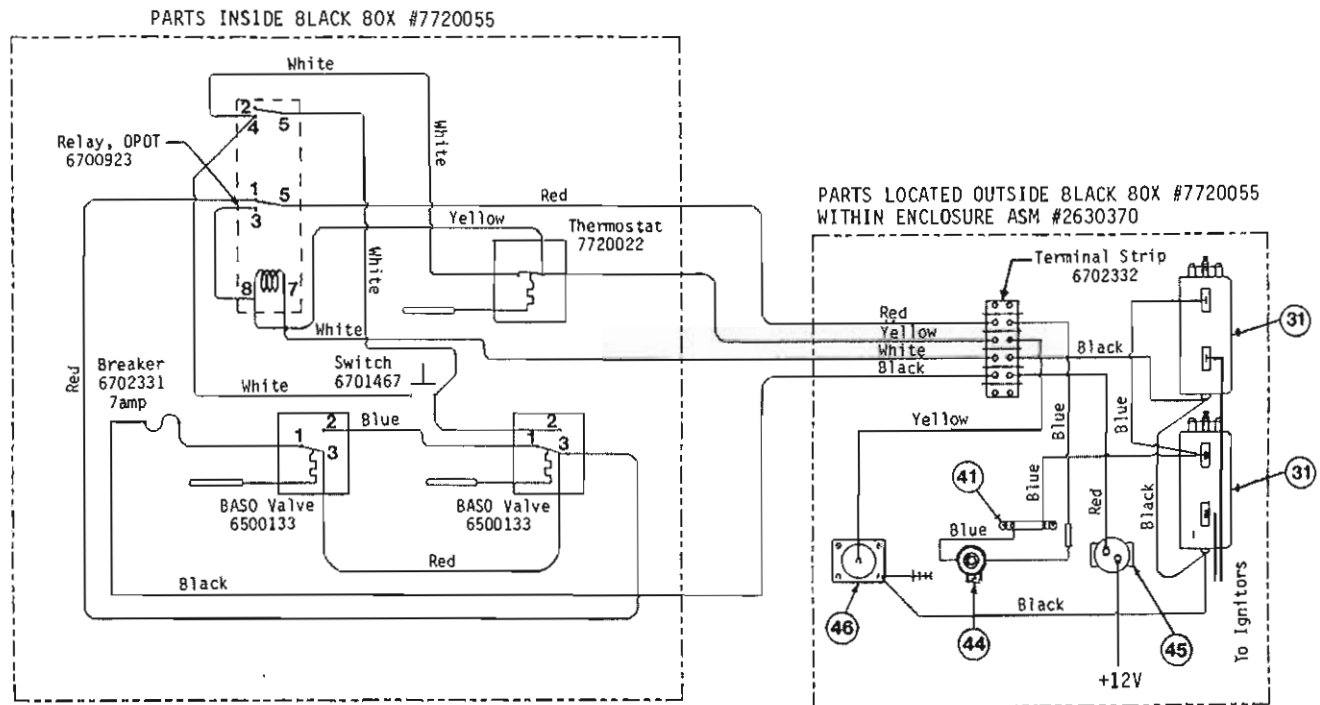
Detail of Thermocontrol Box



THERMOCONTROL - 12 VOLT ETNYRE BURNERS

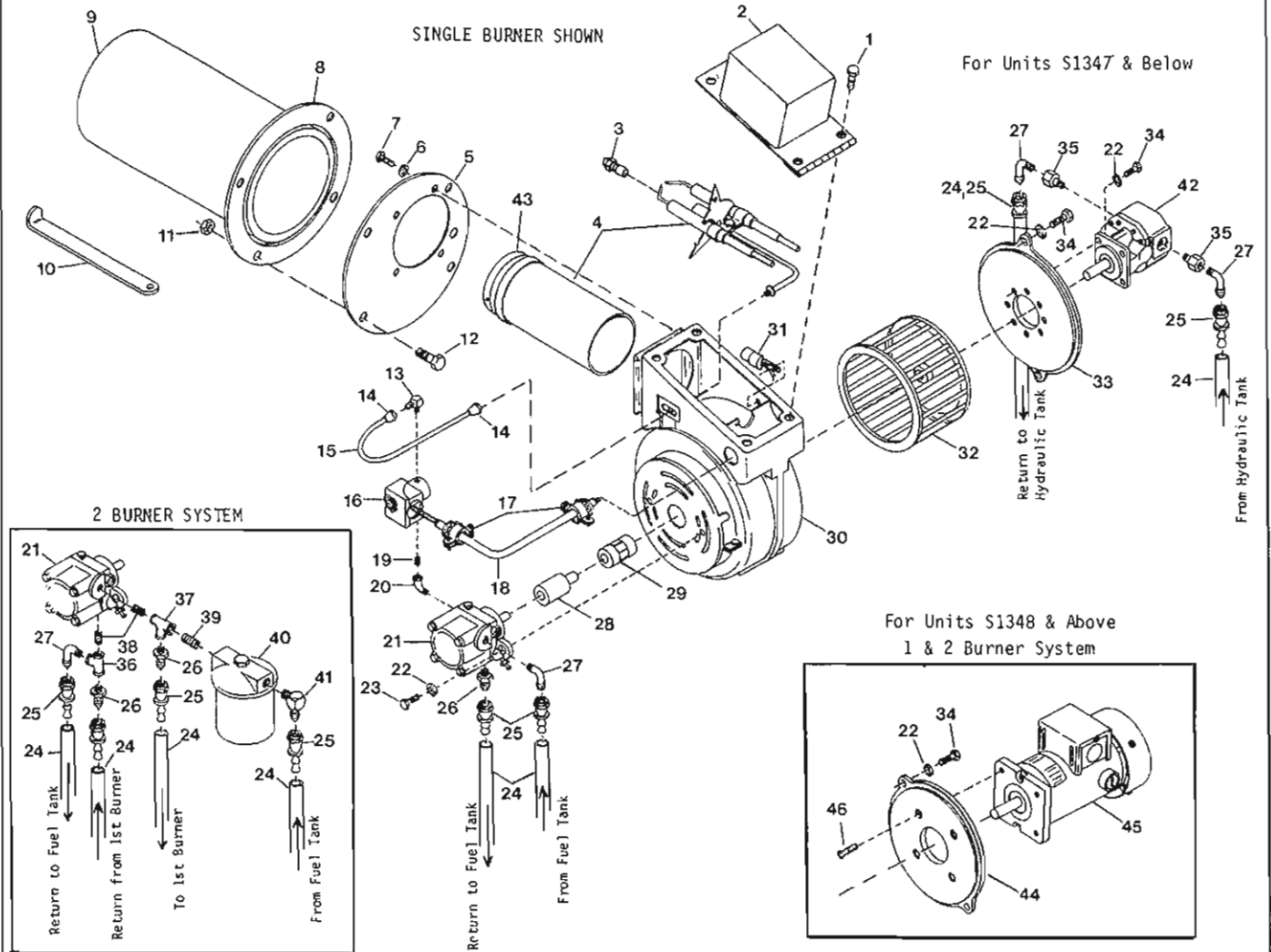
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6500192	1	Control-Flame Out & Temp, LPG	36	0436665	1	Screw-Mach, PNSL, 06NC x 0.50,PO
2	3331073	2	Burner Asm-LPG	37	0131044	1	Washer-Lock, 06, Spring,PO
3	3331877	2	Pilot Asm W/Plug & Mtg. Brkt.	38	0134530	1	Nut-Hex, Mach, 06NC,PO
4	3331878	2	Clip Pipe, 0.25NC	39	2630585	1	Bracket
5	0120380	8	Washer-Lock, 0.25NC,PO	40	6200473	1	Nipple-PP, Sch 80, 0.25 x 4.00,PO
6	0120375	8	Nut-Hex, 0.25NC,PD	41	7720043	1	Resistor
7	6500113	2	Thermocoupling-Dual Fuel B-3	42	6200418	2	Nipple-PP, Sch 80, 0.25 x 3.00,PO
8	3331108	1	Tube Asm	43	7720021	1	Bracket-Flasher
9	0454109	2	Elbow-Auto, 90, 04FP-04MP,PD	44	6700318	1	Flasher-12V
10	6500064	2	Valve-Needle, 0.25NPTF, W/Pilot	45	7720008	1	Switch-Pressure
11	6200292	3	Nipple-PP, Sch 80, 0.25 x 0.88CL,PD	46	7720011	1	Valve-Gas, Elect, 250 PSI, 12V
12	0454121	4	Tee-Auto, 04FP-04FP-04FP,PD	47	7720018	1	Regulator-Pressure
13	0118750	4	Adp-Auto, St, 04MP-06MS	48	0118755	1	Elbow-Auto, 90, 04MP-06MS
14	6500366	1	Valve-Ball, 0.25	49	6600196	1	Gauge-Pressure, 2"-100 lbs.
15	6600731	2	Elbow-Auto, 90, 04MP-04MS	50	2630584	1	Bracket
16	6602039	1	Tee-Auto, 04MC-04MC-04MC	51	7720020	1	Element-Thermostat & Sensing, 450
17	3331883	1	Tubing-Tee to Outer Burner	52	3300045	1	Well Asm-16"
18	3331884	1	Tubing-Tee to Inner Burner	53	2750166	1	Ring-Fin., Thermometer Well
19	3331881	1	Tubing-Outfire to Main Burners	54	0120755	1	Coupling-Pipe, 0.38NPT,PN
20	3331882	1	Tubing-Reg. to Outer Burner Tee	55	6500105	1	Gland-Pack, Temp, Sen, Bulb
21	6600465	1	Connector-Male, 04MC-06MP	56	7720061	1	Knob Asm
22	7720023	1	Regulator-Pilot				
23	2630370	1	Outfire Box Enclosure				
24	7720055	1	Saftey Relay-Thermostat				
	7720059	1	Saftey Relay (For Single Burner)				
25							
26	7720014	1	Valve-Relief, 400 PSI, LPG Hydro				
27	3331879	2	Angle-Mt. Outfire Box				
28	0121758	2	Nut-Flared, 0.38 OD TBG x 1 Lg.				
29	6309071	1	Tube-0.38 x 0.25 Copper, Type L				
30	0121887	4	Screw-Hex, 0.25NC x 0.75,GR2,PO				
31	7720017	2	Coil-Ignition, Thermo Control				
32	0432903	3	Screw-Hex, 0.25NC x 4.00,GR2,PD				
33	0126177	3	Nut-Wing, 0.25NC, Type A,PD				
34	2630586	1	Bracket				
35	2660101	1	Spacer				

WIRING DIAGRAM
Thermocontrol Box
6500192



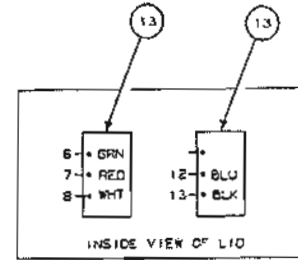
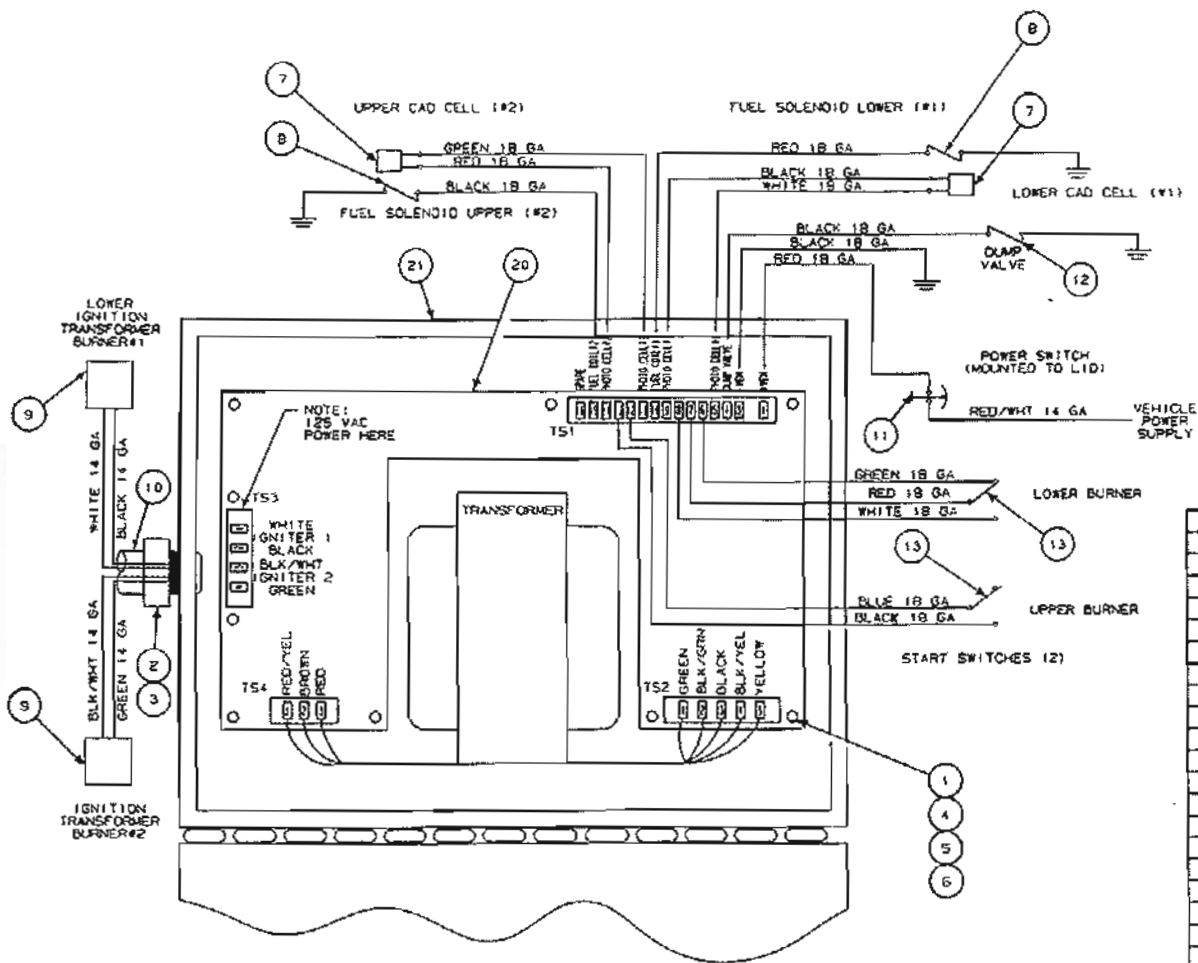
FUEL OIL BURNER INSTALLATION

Note: Refs# 8 & 9 are separate parts - Not an Assembly.



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	0120706	4	Screw-Hex, 0.25NC x 0.50, GR2,PD	25	6600306	4	Hose End-06 x 06FSX,ST,LPSP
2	6500344	1	Transformer-Ignition	26	9402708	1	Adapter-Hyd, St, 04MP x 06MJ
3	6500357	1	Nozzle-Burner, 2.0 GPH, 30 Hollow	27	0118755	2	Elbow-Auto,90, 04MP-06MS
4	6500337	1	Burner Air Tube-Comb.	28	3331263	1	Shaft-Burner
5	3331308	1	Flange-Burner Mount	29	6601956	1	Coupling-Type L, 0.50 In.
6	0120238	4	Washer-Lock, 0.25, Spring,PD	30	6500343	1	Housing Asm
7	0121887	4	Screw-Hex, 0.25NC x 0.75, GR2,PD	31	6500346	1	Cad Cell
8	3331277	1	Flue Mounting	32	6500345	1	Blower Wheel, 6.25 Dia
9	6500041	1	Tube-Combustion	33	3331257	1	Plate-Motor Mount
10	3331270	1	Holder-Hi Press. Combustion Tube	34	0122007	AR	Screw-Hex, 0.31NC x 0.75, GR2.PD
11	0274993	4	Nut-Hex, Lock, 0.38NC,EA,PD	35	6601008	1	Adapter-Hyd, St, 04FP-04MB
12	0120233	4	Screw-Hex, 0.38NC x 1.00, GR2,PD	36	0105417	2	Tee-Pipe, 0.25NPT,PN
13	6200362	1	Elbow-3/16 Tube x 1/8 MPT	37	0281839	1	Tee-Pipe, 0.38 x 0.25 x 0.25NPT,PN
14	0120704	2	Nut-Flared Tube, 0.18 x 0.81	38	0105405	2	Nipple-Sch 40, 0.25 x 0.87CL,PN
15	6309067	AR	Tube-0.19 Copper Ft.	39	0121207	1	Nipple-Sch 40, 0.38 x 1.00CL,PN
16	6500335	1	Valve-Fuel Oil, 12V,NC, 0.12 NPT	40	6500342	1	Filter Asm
17	6701510	2	Connector-Romex, 0.75	41	6601200	1	Elbow-Hyd, 90, 06MJ-06MP
18	6000107	AR	Loom-1/4 In.	42	6601961	1	Motor-Hyd, 0.65 Cu.In., LH
19	0105404	1	Nipple-PP, Sch 40, 0.12 x 0.75 PH	43	6500351	1	Burner Head
20	0105422	1	Elbow-Pipe, 90, St, D.12NPT,PN	44	3331887	1	Plate-Motor Mount
21	6500347	1	Pump Fuel Burner	45	6702340	1	Motor-Electric, 1/4HP, 12V, 3600RPM
22	0120214	AR	Washer-Lock, 0.31, Spring,PD	46	6100391	4	Screw-FLHD Sock, 0.25NC x 0.75,PD
23	0122017	2	Screw-Hex, 0.31NC x 1.00 GR2,PD				AR - AS REQUIRED
24	6600324	AR	Hose-0.38, Per Ft.				

IGNITER BURNER WIRING
9301117



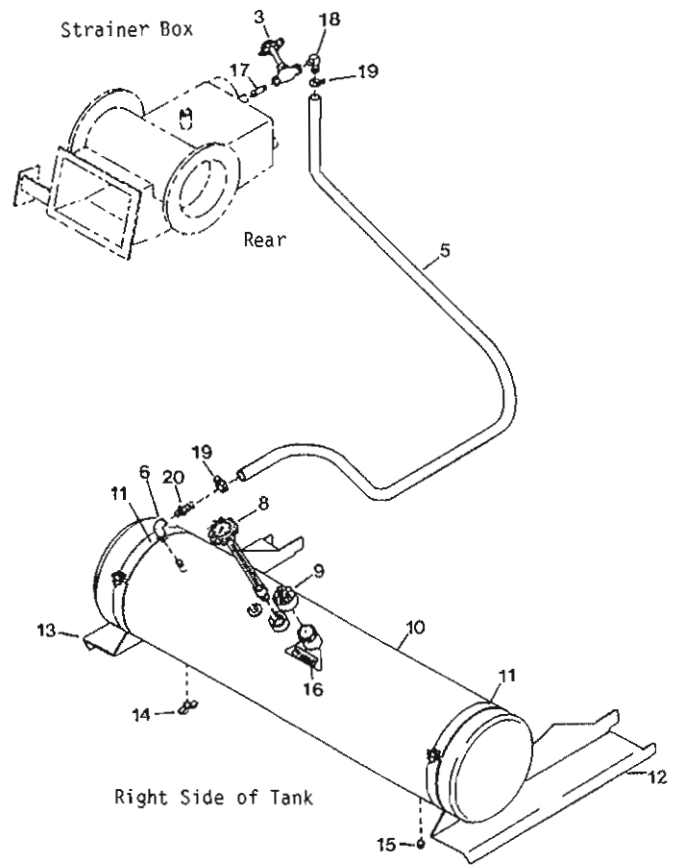
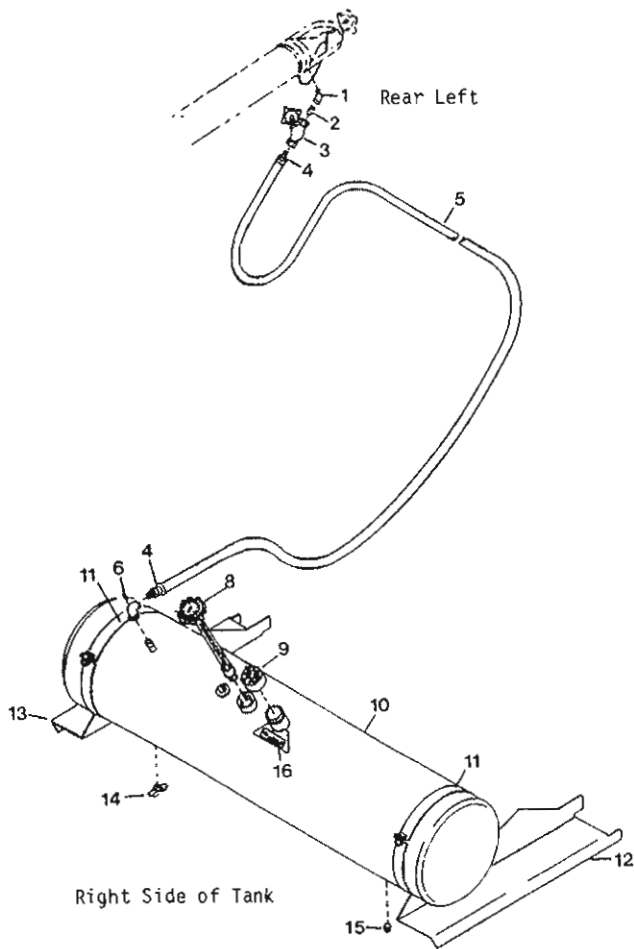
21	1	3370175	CONTROL BOX
20	1	3370164	CIRCUIT BOARD
19	.09	6700259	WIRE-14 GA, STR, RED/WHITE
18	.09	6701072	WIRE-18 GA, STR, GREEN
17	.09	6700828	WIRE-18 GA, STR, RED
16	.09	6700826	WIRE-18 GA, STR, WHT
15	.09	6701534	WIRE-18 GA, STR, BLU
14	.09	6701537	WIRE-18 GA, STR, BLK
13	2	6701966	SWITCH-TOGGLE, DPDT, ON/MOM/ON
12	1	6501798	VALVE ASM-HYD, RX/DUMP, 12VDC
11	1	6701871	SWITCH-PALM BUTTON, PUSH-PULL
10	.09	6000111	LOOM-1/2
9	2	6500344	TRANSFORMER-IGNITION
8	2	6500335	VALVE-FUEL OIL, 12V, NC, 1/8-NPT
7	2	6500346	CAD CELL-BURNER, HI PRESS
6	9	0121841	WASHER-LOCK, NO. 8, SPRING, PD
5	9	0134530	NUT-HEX, MACH, 6NC, PD
4	9	0436669	SCREW-MACH, PUSL, 6NC X 1.00, PD
3	1	6700581	NUT-CONDUIT, .75
2	1	6700959	CORD-GRIP FITTING, .75 X .75
1	9	6701980	SPACER-CIRCUIT BOARD, MTG

SPECIFY UNIT SERIAL NO., PART NO., & PART DESCRIPTION

FUEL TANK ASSEMBLY
& FLUSHING LINE

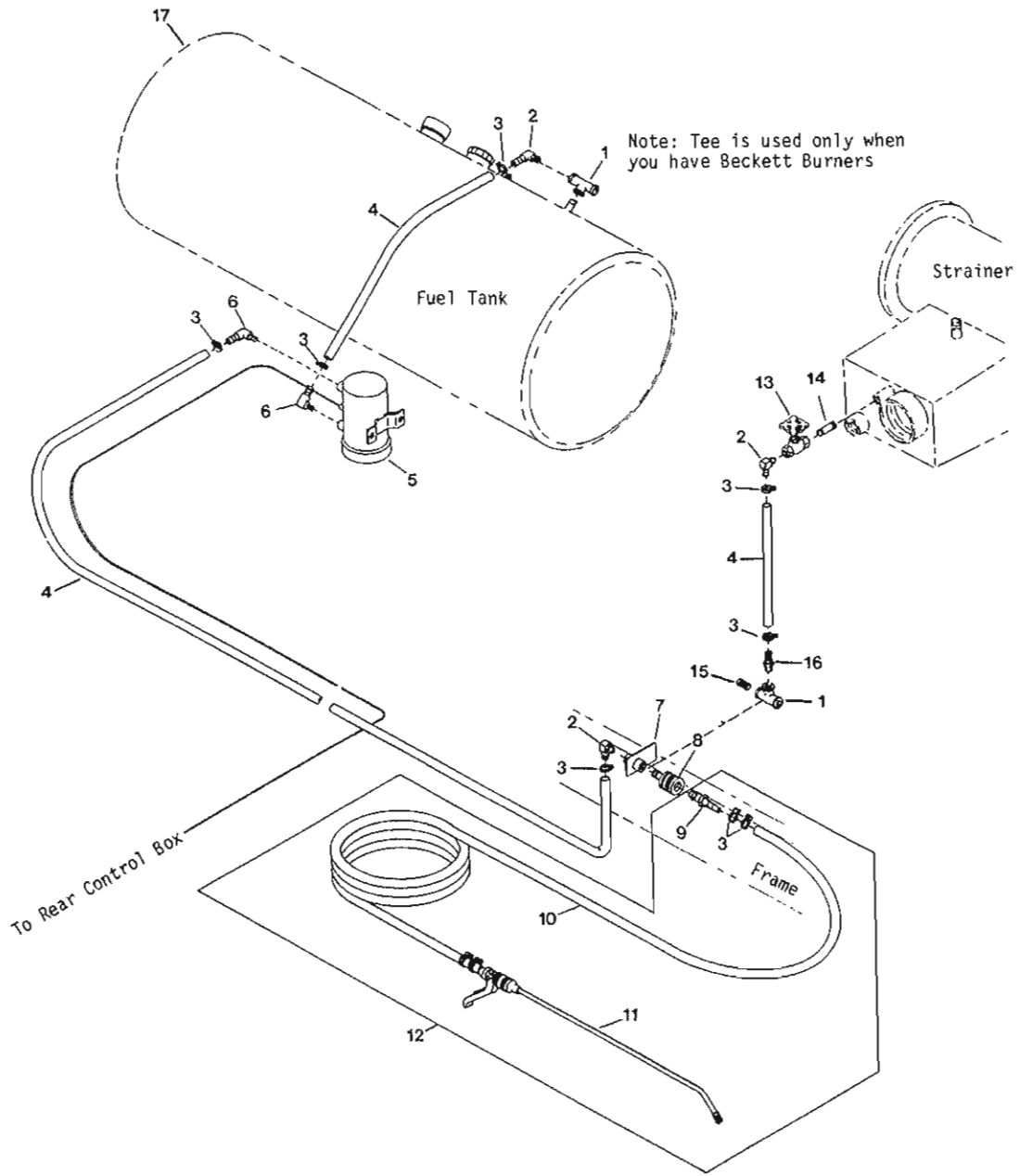
Up to and Including SN S1277

Starting with SN S1278



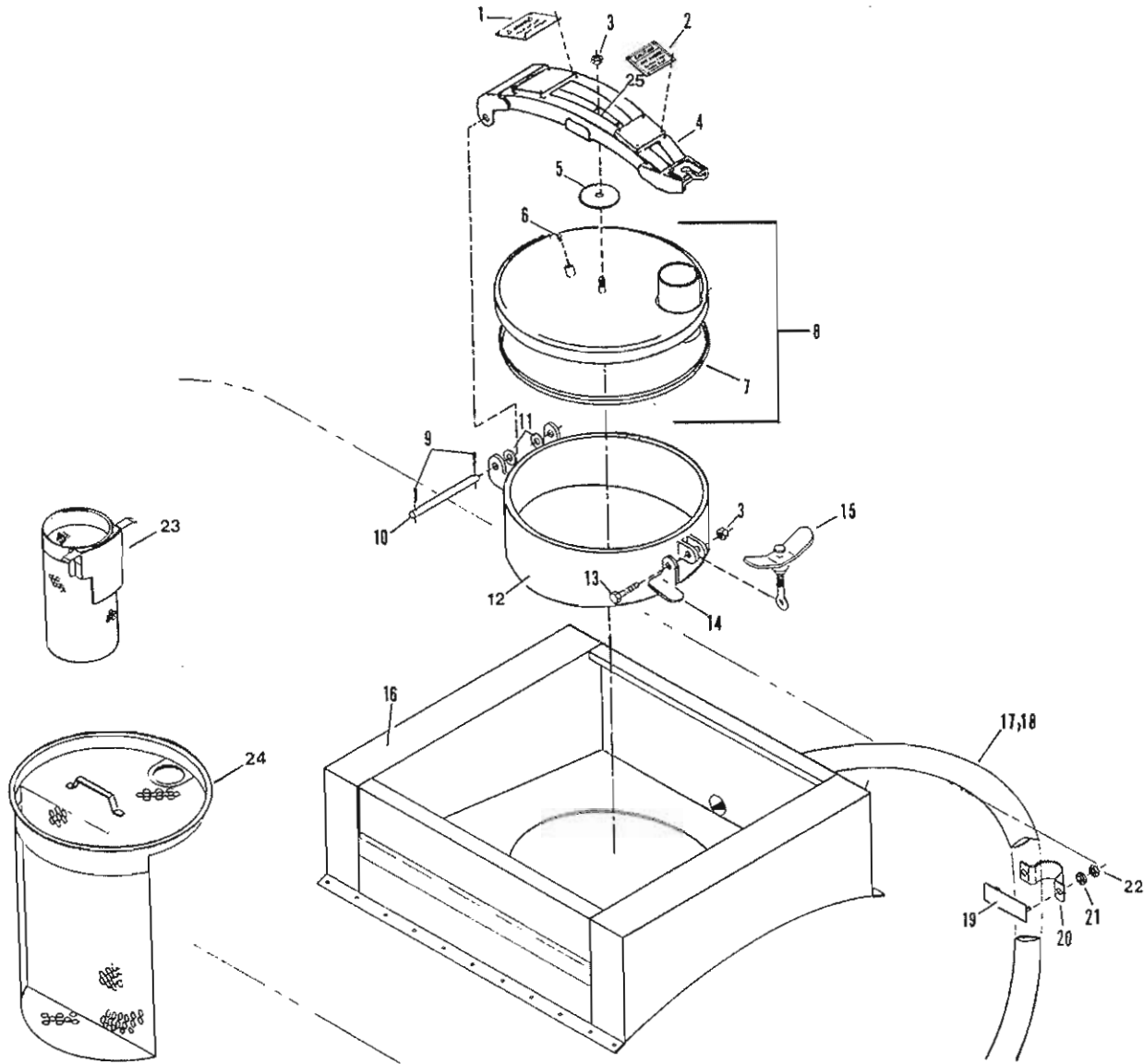
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	0119113	1	Elbow-Pipe,45,ST,0.25NPT	12	3301157	1	Hanger RH Hyd & Fuel Tank, 14"
2	0105405	2	Nipple-Sch 40, 0.25 x 0.88 CL,PN	13	3301158	1	Hanger LH Hyd & Fuel Tank
3	6600303	1	Valve-Globe, 0.25 In. ST	14	3301307	1	Hanger-LH Hyd & Fuel Tank, 14"
4	6600305	1	Hose End-06 x 04MP,ST,LPSP	15	3301308	1	Hanger-Comb, RH Center
5	6600324	AR	Hose-0.38 Per Ft.	16	6600162	1	Cock-Drain, 0.25 In.
6	0105413	1	Elbow-Pipe,90,0.25NPT,PN	17	0819189	1	Plug-Pipe, 0.25 SqHd
7	0105423	1	Elbow-Pipe, 90, St, 0.25NPT,PN	18	3360180	1	Plate-Fill w/Diesel Fuel Only
8	6601306	1	Gauge-Liquid, Level, 12 In. Tank	19	0119920	1	Nipple-Sch 40, 0.25 x 2.00,PN
	6601307	1	Gauge-Liquid, Level, 14 In. Tanks	20	6602402	1	Hose Barb-06 x 04MP90,LP
9	6100235	1	Cap-Filler, Fuel Tank	19	6001005	2	Clamp-Hose, Screw Type, M5
10	7230258	1	Tank Asm-Fuel 12 x 50	20	6601794	1	04 x 04MPX,ST,MP
	7230259	1	Tank Asm-Fuel 14 x 42				AR - AS REQUIRED
11	3301156	2	Strap-Mtg Hyd & Fuel Tanks				
	3331867	2	Strap-Mtg Hyd & Fuel Tank, 14"				

POWER WASHDOWN
& SELF FLUSHING LINE



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	0105417	AR	Tee-Pipe, 0.25NPT,PN	16	6445028	1	Hose End-04 x 04MP, St,LP
2	6602400	AR	Hose Barb-04 x 04MP90,LP	17	7230258	1	Tank Asm-Fuel 12 x 50
3	6001005	AR	Clamp-Hose, Screw Type, M5		7230259	1	Tank Asm-Fuel 14 x 42
4	6601452	AR	Hose 1/4" (Specify Length)				
5	7310028	1	Fuel Pump-Elec., 12V				
6	6602399	2	Hose Barb-04 x 02MP90,LP				
7	3331875	1	Bracket Asm-Fuel Line				
8	6601821	1	Coupling-Quick Connect, 1/4NPT				
9	6601820	1	Nipple-Quick Connect, 1/4 Hose				
10	6600324	AR	Hose-3/8 Per Ft. (Specify Length)				
11	4480132	1	Wand-Sprayer				
12	3361014	1	Washdown-26' Hose & Wand Asm				
13	6600303	1	Valve-Globe, 0.25 In., St.				
14	0119920	1	Nipple-Sch 40, 0.25 x 2.00,PN				
15	0105405	1	Nipple-Sch 40, 0.25 x 0.88,CL,PN				
							AR - AS REQUIRED

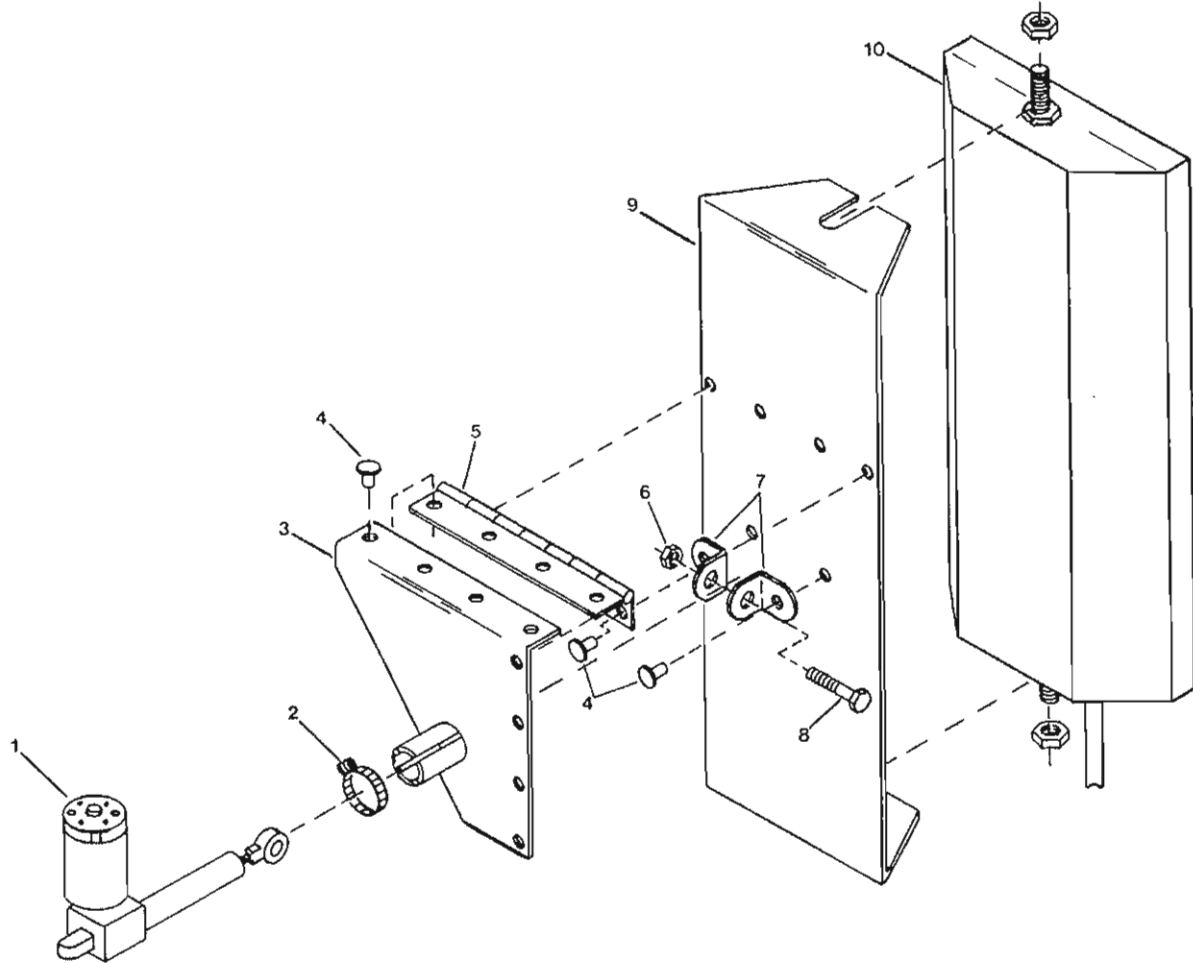
MANHOLE and SPILLBOX ASSEMBLY
3301357



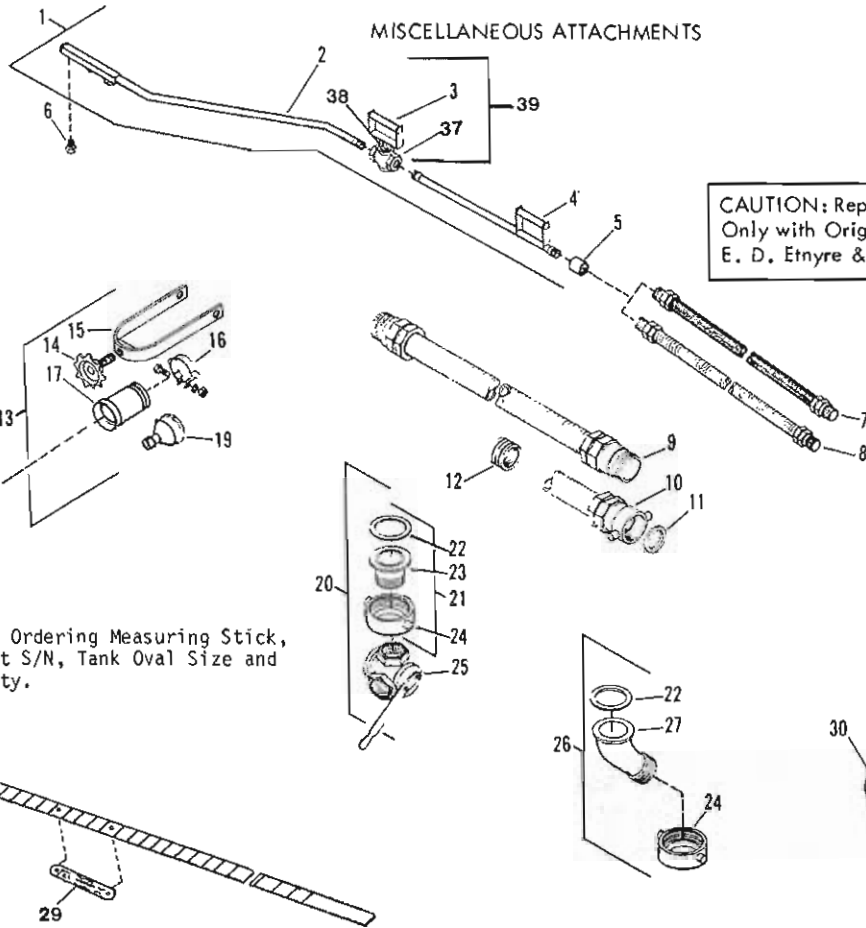
REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3390535	1	Plate-Warning, Manhole Safety	16	9301336	1	Spill Collar Overflow Instl
2	3561030	1	Plate-Caution, Hot Surface	17	6309185	AR	Tube-2.00ID
3	9411727	2	Nut-Hex, Lock, 0.50NC,EA,PD	18	6600906	1	Clamp-Hose, Worm Dr. 1.81 x 2.75
4	7230257	1	Strongback Asm-20" Manhole, Non-Rel	19	2700105	1	Mt Asm-Orain Tube
5	2700241	1	Reinforcer-Cover	20	2700103	1	Bracket-2" Pipe
6	0444867	1	Plug-Auto, Hex Sock, 0.38NPTF,PD	21	0120214	2	Washer-Lock, 0.31, Spring,PD
7	2700248	1	Gasket	22	0120376	2	Nut-Hex, 0.31NC,PD
8	3301356	1	Cover Asm-20" (Includes Ref# 7)	23	3390173	1	Strainer Asm-6"
9	0137204	2	Pin-Cotter, 0.12 x 1.50,PD	24	3390666	1	Manhole Strainer Asm
10	2700233	1	Shaft-Hinge, MH, Non-Rel	25	2700259	1	Bushing-Alignment
11	6100376	AR	Washer-Wave				
12	3301279	1	Collar-20" MH, 66 3/4 Rad				
13	0122459	1	Screw-Hex, 0.50NC x 2.00, GR2,PD				
14	2700234	1	Prop-Cover				
15	2700243	1	Hold Down Asm-20" Manhole				

AR - AS REQUIRED

MIRROR ASM - ELECTRIC, MOTO 4-WAY
 3361186
 SN-S1348 & Above



REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	6701899	1	Actuator-Linear, 12V				
2	6000087	1	Clamp-Hose, 0.56-1.06				
3	3380557	1	Base Plate Asm-Up/Down				
4	4421181	10	Rivet-Pop, 0.187 x 0.687				
5	3380519	1	Hinge-Mirror Pivot				
6	0120375	1	Nut-Lock, Hex, 0.25NC,PD				
7	3380521	2	Mounting Tab				
8	0121913	1	Screw-Hex, 0.25 x 1.25NC				
9	3361187	1	Bracket-Mtg, Mirror				
10	6702337	1	Moto-Mirror				



Note: When Ordering Measuring Stick, Specify Unit S/N, Tank Oval Size and Tank Capacity.

REF.	PART NO.	QTY.	DESCRIPTION	REF.	PART NO.	QTY.	DESCRIPTION
1	3380017	1	Gun Asm	7230251	1	"	" , 65 x 90 "
2	3380024	1	Tube Asm-Offset	7230253	1	"	" , 70 x 92 "
3	3380390	1	Handle Asm	7230242	1	Measuring Stick, 42 x 74 (2 Flue)	
4	3380022	1	Tube Asm	7230244	1	"	" , 47 x 78 "
5	0187399	1	Coupling-Pipe, 1.00NPT, Steel	7230246	1	"	" , 50 x 83 "
6	3352205	3	Nozzle-V Type, Nominal 3.5 GPM	7230248	1	"	" , 53 x 88 "
7	6600392	1	Hose Asm, 1.00 x 25 Ft.	7230250	1	"	" , 59 x 89 "
8	6600252	1	Hose-1", T & A x 25', W/Male PD Cplg	7230252	1	"	" , 65 x 90 "
9	6601926	1	Hose Asm-3", T & A, 15', NPT,PM,8E	7230254	1	"	" , 70 x 92 "
10	6600265	1	Hose Asm-3", T & A, 15', M/F Cplg	29	3390645	1	Label (1 Flue)
	7400004	1	Hose-3", Tiger, W/Male Nipples BE		3390656	1	Label (2 Flue)
11	6600267	2	Gasket-3.5" x 2.88 x 0.13, AS8	30	6600280	1	Plug-Dust, 3", Alum
12	7220028	1	Cord-Norfab, 1/16"	31	6600277	1	Adapter-3", Alum, Part A
13	3340039	1	Filling Line Asm		6600248	1	Adapter-1", Brass
14	3380042	1	Handle Asm	32	6600279	1	Gasket-3" ID, Pipe, Silicone
15	3340041	1	Clamp Asm-3" Hose Conn.		6600251	1	Gasket-1" ID, Pipe, Silicone
16	3341078	1	Ring Asm	33	6600278	1	Coupler-3", Alum, Part 8
17	3340043	1	Pipe Asm		6600249	1	Coupler-1", Brass
18	3340040	1	Connector-3"	34	6200059	1	Coupling-Pipe, 3", NPT,PN
19	3380388	1	Cap Asm	35	6600281	1	Dust Cap, 3", Alum, W/Chain
20	3380109	1	Valve Asm		6600250	1	Dust Cap, 3", Brass
21	3380008	1	Cplg Asm-Instl.	36	6600152	1	Conn. Hose, 3"
22	3380103	2	Gasket		6600282	1	Conn.-Dbl., 3", Alum
23	3380009	1	Cplg Asm	37	6600726	1	Cock-Steam, 1", 2 Way, SqHd, Brass
24	6001030	2	Nut-Iron	38	0103409	1	Cotter Pin, 0.19 x 1.50,PD
25	3380004	1	Valve Asm-3"	39	3380392	1	Valve & Handle Asm
26	3380001	1	Coupling Asm-5" x 3"				
27	3380101	1	Shank-Male				
28	7230241	1	Measuring Stick, 42 x 74 (1 Flue)				
	7230243	1	" " , 47 x 78 "				
	7230245	1	" " , 50 x 83 "				
	7230247	1	" " , 53 x 88 "				
	7230249	1	" " , 59 x 89 "				